S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Asset Catalog for All Categories (657 Items)

Asset	Description	Condition / Location
Agitators		**2 Items**
Gearbox + Motor 10HP Asset ID: A-1400 United Equipment Technologies	Gearbox and motor - inline. Was originally used for top entering agitator, United Equipment Technologies Model Xcel-22, S/N C1641-7B. Falk right angle gear box. Includes Motor 10HP, 1800 rpm. [Photos of shaft and blades are included for info only to indicate prior service - not available. Shaft diameter : 2.75". Came from 28 ft dia tank x 39 ft tall] Idled since 2012.	Used - Good Grant City, MO
Gearbox + Motor 15HP Asset ID: A-1306 United Equipment Technologies	Right angle gearbox and motor, for top entering tank agitator. Model XCEL 500. Motor is 15 HP, 1800 rpm. United Equipment Technologies Corp. Includes Falk Right angle gear box. Output 47 rpm. This is gearbox and motor only - used. [Photos of shaft and blades are included for info only to indicate prior service - not available. Shaft diameter : 3.5". Came from 26 ft dia tank x 39.5ft tall] Idled since 2012.	Used - Good Grant City, MO
Blower		**13 Items**
Blower Combustion Fan 150HP Asset ID: FN-5201 Twin City	Combustion fan for ring dryer by Twin City Fan & Blower. Type HIB, Arr 1. Width SW, size 360, rotation CCW. Rated at 26,211 cfm at 21.3 sp. Sn 07-234050-2-1. Driven by 150 HP motor 1800 rpm 460/3/60. Size approx 114" x 64" x 102". Used as combustrion fan FANC-11 for ring dryer. Still installed on RTO.	Used - Good Vicksburg, MS
Blower Exhaust Fan 150HP Asset ID: FN-5203 Twin City	Twin City blower with 150HP motor. Designed for 22,975 cfm at 32.3" WC static pressure. Model HIB-SW, size 400, sn 07-234050-1-1. Driven by 150HP motor 1800 rpm 460/3/60. Overall size 60" diameter x 61" wide x 75" high. Used as ring dryer components fluid bed cooler (dryer) exhaust FANC-31.	Used - Good Vicksburg, MS
Blower Fan 1000HP Asset ID: B2106 Buffalo	Buffalo blower with 1000 HP motor. Blower Fan Type L, size 1200, tag L-25 serial num 88302107. Motor is Siemens induction motor 1000 HP 2300 volts 3/60. RPM 1780, frame 588US.	Unrated Peoria, IL
Blower Fan 10HP Asset ID: BL-2304 New York Blower	NY Blower Direct drive blower driven by 10HP motor 10/460/3600/215T. Model 2303 steel, pressure blower. Designed for 200 cfm at 52.2 sp. Last inspected 9/2018. Used for CO2 flash tank blower.	Used - Good Vicksburg, MS
Blower Fan 15HP Asset ID: BL-3202 Kice	Belt driven blower, Kice model FC15 9FB sn 266261-1. Driven by 15/460/1800/254T (HP/voltage/rpm/frame). Flow approx 4000 cfm at 5" wc SP. Physical size approx 56" long x 51" wide x 40" tall. Part of Process Scrubber Package PK-3201. For a list of all components, enter pk3201 in search box on web site.	Used - Good Vicksburg, MS
Blower Fan 25HP Asset ID: FA-1631 Quality Industrial	Blower fan by Quality Industrial ser num 16184-2. Driven by a 25 HP motor, 1770 rpm 460/3/60. Used as hammermill blower #1.	Used - Good Vicksburg, MS

Blower Fan 25HP Asset ID: FA-1632 Quality Industrial	Blower fan by Quality Industrial ser num 16184-1. Driven by a 25 HP motor, 1770 rpm 460/3/60 Used as hammermill blower #2.	Used - Good Vicksburg, MS
Blower Fan 50 HP Asset ID: AF93 Cardwell	Cardwell Industrial Exhauster blower, Size 350, Model IE857, serial 865-017-1. Approx size 60" front-to-back x 63" side-to-side x 65" tall. Blower 52" dia. Driven by Siemens motor 50 HP at 3545 rpm 460/3/60.	Used - Very Good Illinois
Blower Fan 60HP + ss stack Asset ID: cp102 Kice	Kice blower fan, Model FA33 ARR 9F, with inlet duct/transition. Fan is carbon steel with 36 inch inlet/outlet and 33 inch wheel. Airfoil fan wheel. Includes outlet duct/stack carbon steel duct 29" dia x 40 ft tall. Includes baseplate 60HP motor. Serial numbers 250431-4 & 250431-11. The fan has not been reconditioned but the motor is reconditioned. Includes VFD for the 60 HP motor. Depending on motor rpm, HP, and sp - cfm can be between 11,267 cfm and 25,039 cfm. See chart in links. This blower was sized for a baghouse silo (asset cp101) - both can be purchased together. Price here is for Blower/motor/stack only. Removed and ready to load	Used - Very Good Marissa, IL
Blower Kice 7.5HP Asset ID: B2075 Kice	Kice Blower, Model FC9, clockwise Arrgt 9FB. SN: 145410. Physical size is 38" x 34" x 27" tall. Inlet diameter 9" OD, wheel diameter 15 5/8", wheel circumference 4.09', fan outlet area 0.5205 sq ft inside. Flow depends on static pressure - range with this 7.5 HP motor on it is from 600 cfm at 3" SP to 1800 cfm at 16" SP. Driven by 7.5 HP Reliance Electric Motor 480/3/60. See links for dimensions and performance charts. Aprox size for shipping 39" x 40" x 27" high. Removed, ready to ship	Used - Good Peoria, IL
Blower Main Fan 1200HP Asset ID: FN-5202 Robinson	Robinson Fan type 97" x 11-1/4" BI1120, Arr 3. Designed for 189,339 scfm at 30" sp. Material ss316 sn DA-98BI1120-118. Driven by 1200 HP motor Mfg TECO Type AEJH-TK, frame 1185 rpm. Weight 29,571 pounds w/o motor. Motor weight 15,848 pounds. Physical size (w/o motor)" 149" wide x 119" deep x 186" tall. Used as Main ring dryer fan FANC/12.	Used - Good Vicksburg, MS
Blower PD Fan (Roots Type) 25HP Asset ID: AF9 Sutorbilt	**Positive displacement blower (Roots Type)** • Gardner Denver Sutorbilt Legend Series vacuum pump Model GAFMCRD, serial S378101. Catalog No. 5MR. Gear dia 6" • Inlet/Outlet size 4" • Capacity 292 cfm at 7 psig to 263 cfm at 11 psig. • Driven by 25HP motor at 1770 rpm. 460/3/60. • In sound attenuating enclosure. Enclosure dimensions 45" x 45" x 48" tall. See brochure in links. Part of Outotec Filter	Used - Very Good Illinois
Tuthill Blowers (3) Asset ID: 2032 Tuthill	Tuthill blowers (3) with (6) FlowTek automtic valve manifold with Bray acturators, FlowTek AutoMater. Used. System has now been removed, cleaned, and ready for sale. Blower driven by 20 HP motor 230/460v 3/60 1775 rpm.. Priced for the LOT - 3 blowers and the valve manifold	Used - Very Good Illinois

Boiler/Auxiliaries	2 Items
Stack ss 65 ft Asset ID: ME-5201 GEA Barr Rosin	Stainless steel stack, ss 304L. Size 56" OD x 65 ft tall insulated duct. Dryer exhaust design 175,000 acfm (bleed off to RTO 63,000 acfm) Material ss 304L. Used as exhaust/dumpstack for Dryer systemr.	Used - Good Vicksburg, MS
Water Softener Asset ID: Z-7302 Evoqua	Water softener system for boiler feedwater, mfg by Evoqua, model PTCSDT36 X 72. Resin bed for softening (3) 48" OD x 72" tall fiberglass vessels 463 gallons each rated at 150 psi at 150 F. Also (3) 39" OD x 48" tall polyethylene vessels. All piping and manifolds. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS

Boiler/Biomass		2 Items
Biomass Boiler & Turbine GenSet 20MW Asset ID: 2086	**Biomass Boiler & Turbine GenSet 20MW**	Unrated Kansas
Biomass Boiler 1500HP + 1MW GenSet Asset ID: 7258 Hurst	**BIOMASS BOILER. 1500 BHP 450 psig** • Hurst Biomass Boiler, 450 psig saturated. Model # HYB 9570-450-1, Capacity 1500HP (51,750 #/hr steam). Heating surface 9750 sq ft. • This is a HYBRID biomass boiler (part firetube & part watertube) designed so well by Hurst Boiler with reciprocating grate • Steam turbine GenSet 1MW - inlet superheated steam 450 psig • System only used for about 6 years, then idled. Built 2009 • Fuel was shredded carpet. • Natural gas burner used for startup combustion only, then shut off for operation Complete Steam Plant with a non-condensing type Steam Turbine Generator 1.0 MW (rated at 750 KW) , with Deaerator tank, high pressure boiler feed water pumps, wet ash removal system, controls, fuel feeding conveyors, all fans and standard boiler trim. Also includes an Air Technologies CEMS (continuous emissions monitoring system) and a Fabricated Steel Silo with auger discharge for fuel storage and conveyance. Manufacturer Lists the following Features: "Hybrid" Firetube/Watertube Vessel Design; Watertube Section; Firetube Section with Blast Tubes; Reciprocating Fire Grates; Under Fire Air Fan; Reciprocating Drive; Over Fire Fan/Dampers; Carry-Over Reinjection Blower; 1500HP Fire Door; Ash Clean Out Door; Fuel Metering Bin; Ash Removal Conveyor; Refractory Arch. Includes operating manuals and some drawings. See FLYER in link for more details and a component list. Last used for burning used shredded carpet. The blast tubes prevent fouling from ash on the first pass through fire tubes. We have shipping specs, weights, dimensions on file.	Used - Very Good Southeast USA

Boiler/Burners & Gas Train		1 Items
Burner & Gas Train Lo-NOx 100 MMBTU Asset ID: VK-2024 Nat-Com	National Combustion Equipment (Nat-Com) Lo-NOx burner. Natural gas, sn 10815. Operating energy 83 MMBTU output. (Max is approx 100 MMBTU). Burner model P-96-G-23-1118, gas heater model GH-90-120-128-226, Includes gas train and fire management system. See links for burner drawing and gas train skid drawing. Gas train skid size 135" long x 31" deep x 86" tall (includes all valves and control panel) Used as Ring Dryer Burner.	Used - Good Vicksburg, MS

Boiler/Electric Boiler		2 Items
Boiler Electric Steam 600KW (60 BHP) Asset ID: 2090 Reimers	**Steam Boiler - Electric Powered 600 KW** NEW Reimers RHP600 electric boiler rated at 600 KW input (60 BHP). Operating pressure 0 - 135 psig. Max steaming capacity is 2,100 lb/hr. Manufactured to ASME boiler and pressure vessel code. Power is 460v 3/60, and control is 120v 1/60. Includes boiler feedwater pump and solenoid valve, and condensate tank .Has 10 heating stages with step controller. Skid mounted. Model: RHPHC 600 K3H Serial: 0419-75299	New, Old Stock Texas

Boiler Electric Steam 80 KW Asset ID: 2358 Precision	**Electric Steam Boiler - Low Pressure** Precision Boiler Model ST20S -080D-480-15 Boiler, serial 23158. • Rated at 80 KW input at "full fire". Input 480v 3/60. Rating 273,000 BTU/hr (8.16 boiler HP), • Max Working Pressure 15 psi (250F). • Comes with Condensate and Chemical Skid, • Low Hours - only ran a year. Built Apr 2022, Commissioned July 2022, Decommissioned July 2023	Used - Excellent California

Boiler/Firetube	4 Items

Boiler Package 250 HP Asset ID: 2091 Cleaver Brooks	**RECONDITIONED Boiler Package - Firetube 250 HP - Deaerator - Blowdown Separator** Reconditioned boiler package with warranty. Allow 10-12 weeks ARO. Photos shown here are representative only (showing a gas fired one here) and depict what this one will look like when reconditioned. See quotation details in Links **Cleaver Brooks Boiler Firetube 250 HP** • 4 pass dry back design, • 150 PSI design pressure • No. 2 fuel oil fired with a propane pilot. • New Fireye Burner Logix or Honeywell 7800L Flame Safeguard controls will be installed. • New control and electrical panels will be installed. • The boiler will be wired for 480/3/60 VAC or for the required site voltage. • New relief valves **Deaerator and Feedwater Pumps** • Complete with a pressure vessel built to ASME Code Standards stamped with a National Board Number, • Two new Grundfos pumps each sized to serve the full evaporation rate of a 250 HP boiler, • Control panel with pump selector switch, • Steam inlet piping, steam pressure reducing valve, makeup water control valve, relief valves, and pump inlet piping. • Blowdown Separator	Reconditioned North & South Carolina

Firetube Boiler 200HP Asset ID: 8096 Johnston	One (1) 1998 200 HP Johnston boiler, 4 pass wet back, gas and No. 2 oil fired, 250 PSI design pressure. The boiler will be cleaned on the fireside, waterside, outside, and painted. The boiler pressure vessel, tubes, piping, and blowdown valves will be hydrostatically tested. The existing Honeywell 7800L Flame Safeguard Controls will be checked and replaced if found defective. New Honeywell High Limit with manual reset, Operating Limit, and Modulating Limit Controls will be installed. The boiler will be electrically and mechanically checked throughout to identify and replace any defective components. The combustion air fan will be run to check for balance and bearing smoothness. We guarantee that the pressure vessel and tubes are in good condition and that the boiler will pass a hydrostatic test at the time of startup. We will give a 1 year parts replacement warranty on controls. These photos are representative - boiler is yet to be reconditioned - allow 4 to 6 weeks after order. This quote is for the boiler only. No support equipment is included. Note that this boiler is a little shorter and wider than standard Johnston dimensions so will not be a direct drop in if replacing with like kind.	Reconditioned Southeast
FIretube Boiler 2200 HP Lo NOx Asset ID: Z-7201B Superior	Firetube Boiler, Superior Boiler and Economizer 2200HP (73,645 MBTU) steam OUT, Lo NOx natural gas fired 150 psig. Superior Apache 2-Pass Dryback Scotch Marine Package Boiler Model 8-X-11000-S150-GPCF-G. Natural gas firing rate IN 92,400 cfh of 1000 BTU/cf. ASME Nat'l Bd# 16199. Cleaver Brooks burner model LNXLG-924. Lo NOx < 30 ppm and 0.0364 lbs. per MMBTU. Includes controls and firing monitoring, gas train, forced draft blower, Kunkle safety valves 6x8" and 4x6" both set at 100 psig. Boiler dimensions are approx 151" w x 302" L x 153" tall. Approx floor space needed: 43.6 ft L x 19.3 ft W x 13.2 ft T (not including safety valves and economizer and stack). Cain economizer model RJR-166K26ALS. Stainless steel. Stack is Van-Packer Model DW 36" ID x 20'-9" long, ss304 insulated. See drawing and manual for verification. Weight empty approx 121,000 pounds. Idled 2018. This boiler has been mothballed properly, and is in supervised dry storage with "VpCI" (vapor phase corrosion inhibitor). It was just checked again by the third party in early 2020 and late 2021.Still installed.	Used - Very Good Vicksburg, MS
Firetube Boiler 300HP Asset ID: 7124 Garioni	Garioni firetube boiler 300HP. Type NG5000, serial 7118. Mfg by Garioni, Brescia, Italy. Capacity 5000 kg/hr (11,000 pph steam or about 300 HP at 12 barg max (180 psig). Firetube 2-pass dry back type boiler. Built in 2002 but only used about 6 months. Electrical for controls is 110V 60 Hz. Burner fires on #2 fuel oil - pumps not included. Will need new control panel. Sold As Is - price includes loading on your truck.	Used - Fair Ft Worth, TX

Boiler/Hot Water		**1 Items**
Hot Water Boiler 5 MMBTU Asset ID: M33 Sellers	Hot water boiler Sellers 5 MMBTU (150HP). Model S-150-W Model 15 Senior. Fired by natural gas - automatic. LoNox burner 30 ppm, turn down ratio 3:1. Input 6.27 MMBTU, Output 5,021,000 BTU/hr, 150 psi max pressure . Water capacity 411 gallons. S/N 103390, ASME Nat'l Bd# 10610. Includes Recirculation motor 7.5 HP. Includes 3 expansion tanks. Physical dimensions L x W x H 166" x 53" x 73".	Used - Very Good Van Wert, OH

Boiler/HRSG & Gasifiers		**2 Items**
HRSG Asset ID: 1962 Rentech	Heat recovery steam generator (HRSG) mfg by Rentech. Rated at 50,000 #/hr steam at 150 psig. Part of Waste to Energy Gasifier system - see asset 1964	Unrated Georgia

Waste to Energy Gasifier Steam Generator Asset ID: 1964 Primenergy LLC (PRME) & Siemens	**Waste to Energy Gasifier & Steam Generator** Steam Generator 50,000 lbs/hr at 150 psig. System disposes of wood flour and carpet waste (the fuel) by a staged combustion process in a Gasifier resulting in hot clean waste gases through a Rentech HRSG (heat recovery steam generator) to generate steam. Natural gas is used at startup to obtain combustion of the fuel, then shut off during the process. Feed is 3 tons/hr of blended waste (or 5 tons per hour of wood flour) generating 50,000 lbs/hr steam at 150 psig, and approx. 745 lbs per hour of ash. Includes ash recovery and silo, gasifier, combustion tube column, HRSG (heat recovery steam generator), baghouse dust collector for fly ash and stack. Siemens was the systems integrator and engineered the plant; PRIMENERGY (PRME) was the general contractor and manufacturer of the KC-17 Gasifier. See all links including PFD for all components. See documents for equipment list	Unrated Georgia

Boiler/Thermal Fluid		**2 Items**
Thermal Oil Heater 1.6 MMBTU Asset ID: 2085 Fulton	**Fulton thermal fluid heater system designed for 1.6 MMBTU/hr** Model FT-0160-CU, natural gas fired. All automatic including flame supervision for unattended operation. Flow 100 gpm at 650F max Pipe size in/out 3"/2". Approx size of main heater skid 66 inches x 48 inches x 81 inches tall. All pieces are mounted on a single skid - size is 78 inch x 93 inch x 140 inch tall. ASME Nat'l Bd # 11281. Includes • **Brand New - Still In Crate** • Siemens gas train, gas inlet 1-1/2", • safety relief valve • thermal fluid expansion tank - estimated fluid contents 83 gallons, • recirculation pump Deans 1.5 x 3 - 8.5 with 10 HP motor 460/3/60 3" suction/2" discharge • All still in shipping crate - ready to load for immediate delivery NOTE: Photo is a catalog image. This boiler is still in the crate.	NEW Montana
Thermal Oil Heater 36kw Asset ID: 2079 Fuelpac	Thermal fluid heater, horizontal. **New, never used.** Includes 36 kW (122,000 BTU/hr) electric heater, recirculation pump, and controls on Slid 1 - and 60 gallon expansion tank on Skid 2. Unit is rated at 120,000 BTU/hr thermal output. Approx dimensions of Skid 1: 1400 mm x 1250 mm x 1500 mm tall. Skid 2 is approx 500 mm x 1500 mm x 1200 mm tall. See drawing in Document Links	NEW College Station, TX

Boiler/Watertube		**2 Items**
Watertube Boiler 150,000 lb/hr Asset ID: 1036 Cleaver Brooks	**Watertube Boiler 150,000 #/hr With Economizer** Cleaver Brooks Model CW-NB-500D-110 D-Type Watertube boiler, Unit rated 150,000 lb/hr at 600 PSIG. Has 7,680 sq ft heating surface. Steam drum is 22.062 inside diameter X 37'-4" long. Boiler tubes are 2" OD, 0.135 MW thickness. Waterwall Headers are (2) FR 3.826" ID Pipe, (1) BR 3.826 ID Pipe, and (1) AD 2.9" ID Pipe. Waterwall tubes are 2" OD. Has an Economasters, LLC economizer. Max rated working pressure 750 PSI, heating surface 13149 sq. ft. Unit equipped with Industrial Burner Model NCB-290-G6B-003-S09-000 Fuel type #1 Natural Gas, Fuel type #2 Light Oil #2.	Unrated United States

Watertube Boiler 250,000 #/hr Asset ID: 2349 Cleaver Brooks	**Cleaver Brooks Industrial Watertube Boiler 250,000 lbs/hr superheated steam** • Boiler model NB-801D-125-550-AL-LH, serial CP-4582 • NEW, never installed • D-type watertube style • Pressure 420 psig operating pressure (superheated, temp 650F +/- 25). Superheated steam • Natcom LoNOX Burner, natural gas. Gas train included. Burner model NCB-330-68A-000-S10-000 • Stack included - 3 sections • Economizer, ECO, Inc. vertical 7.5 ft dia x 20 ft tall • Controls - 2 plc's + burner management + combustion controls • Includes SCR for emissions reduction • Under nitrogen purge with desiccant in furnace area Removed and stored - ready to load. See additional information in document links	New, Old Stock Illinois

Centrifuge and Decanter/Centrifuge		15 Items
Centrifuge B214 A Asset ID: 5575 Alfa Laval	Alfa Laval B214A centrifuge. The complete unit will be reconditioned, balanced, new seals/bearings, painted. Photo shows machine prior to reconditioning - allow 4 to 6 weeks delivery. Reconditioning includes, complete disassembly of machine, sandblast and paint all carbon steel parts, remove gear pump, install end plate, Rebuild using all new parts, Bearings, seals, and O-rings (Viton), All Vibration Isolators units will be tested and come with manuals, some tools and one set of gravity discs. High speed balance will also be performed. 40 HP motor will be rebuilt or new depending upon timing. Welcome to inspect the machine as tests are run to verify balance. Centrifuge can also be purchased " as is, where is " if desired.	Reconditioned Houston, TX
Centrifuge B214 C Asset ID: 7117 DeLaval	DeLaval B214C solid bowl disc centrifuge. Serial number 3532804. Capacity approximately 36,000 to 40,000 #/hr. Motor is 40HP. Cleaned and painted, epoxy internal coating but not reconditioned. Bowl removed and crated for shipping.	Used - Very Good Texas
Centrifuge B214 C Asset ID: 5567 Alfa Laval	Alfa Laval B214C centrifuge. The complete unit will be reconditioned, balanced, new seals/bearings, painted. Photo shows machine prior to reconditioning - allow 4 to 6 weeks delivery. We can quote an "As Is" price if desired.	Reconditioned Houston, TX
Centrifuge MAB 206 Asset ID: 1756 Alfa Laval	Alfa Laval centrifuge Model MAB 206-S-24-60-HZ. Serial No. 2965454 Throughput capacity approx 10.6 m3/h (46.6 gpm). Separation takes place in a solids-retaining bowl that can be arranged for either clarification or purification. Solids retained in bowl and removed by manually cleaning. Was in biodiesel service. Still installed. Voltage: 3-Phase 575v. There are (2) MAB centrifuges here (Asset 1756 and Asset 1757). If both are bought, we can ship on the skid they are mounted on. Price is for EACH MAB centrifuge which includes removal and loading on your truck. Controls not included. Local Start/Stop Control Only. We can provide controls at additional charge.	Used - Good Saskatchewan
Centrifuge MAB 206 Asset ID: 1757 Alfa Laval	Alfa Laval centrifuge Model MAB 206S-24-60/4049-8. Serial No. 4032493. Throughput capacity approx 10.6 m3/h. (46.6 gpm). Separation takes place in a solids-retaining bowl that can be arranged for either clarification or purification. Solids retained in bowl and removed by manually cleaning. Was in biodiesel service. Still installed. Voltage: 3-Phase 575. There are (2) MAB centrifuges here (Asset 1756 and Asset 1757). If both are bought, we can ship on the skid they are mounted on. Price is for EACH MAB centrifuge which includes removal and loading on your truck. Controls not included. Local Start/Stop Control Only. We can provide controls at additional charge.	Used - Good Saskatchewan

Centrifuge MAPX-210 Asset ID: X2100 Alfa Laval	Afa Laval MAPX-210 purifier centrifuge. Serial 4019166. Skid mounted with controls and heat exchanger	Unrated Mississippi
Centrifuge MOPX 207 Asset ID: AL-1 Afa Laval	Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60, serial number 2967145. Rebuilt, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.	Reconditioned Texas
Centrifuge MOPX 207 Asset ID: AL-2 Alfa Laval	Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 TGT-14-60, serial number 2967197. Rebuilt, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.	Reconditioned Texas
Centrifuge MOPX 207 Asset ID: AL-3 Alfa Laval	Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60, serial number 4036230. Rebuit, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.	Reconditioned Texas
Centrifuge MOPX 207 bare Asset ID: AL-4 Alfa Laval	Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60. Rebuilt - never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). This is a bare machine still in crate to be used as spare. No controls, no tools, no motor. Photo shown is representative and is of identical centrifuge.	Reconditioned Texas
Centrifuge OSB-35 Asset ID: 1748 Westfalia	Remanufactured Westfalia model OSB 35-02-576 single pump on light phase, heavy phase by gravity oil purifer. No controls. Capacity nominal 23,000 liters/hr (100 gpm). This machine is completely rebuilt. This includes replacement of bearings, seals and remanufacture of any substandard parts. The exterior cosmetics are restored to the best possible condition. The machine will be assembled, balanced, and run for several hours prior to shipping.. Ready to ship - one - two weeks ARO • Includes:20 HP, 480 Volt, 3 Phase, 60 Cycle Explosion Proof Motor • 6500 RPM Bowl Speed, 11,000 G Force • Paring Device on Light Phase • Gravity Discharge on Heavy Phase • Direct Drive • Powder Coated Frame • 20 Litre Bowl Volume • 11 Litre Sludge Space • 40 Degree Bowl with 0.5 MM Caulk Space • Stainless Bowl • SS Bowl Liner, with set of Erosion Clips • Water Harness • Special Set of Tools • Operation / Parts Manual • Warranty 6 months	Reconditioned Alberta

Centrifuge OSB-35 Asset ID: 8003 Westfalia	**Reconditioned Westfalia Model OSB-35-02** Self-Cleaning centrifuge - Max. Hydraulic Capacity: 90 GPM, Max. Process Capacity: Varies depending on process conditions. • Viton o-rings used in product contact areas • Direct-drive design, 20 HP Class 1 Div. 1 explosion-proof motor - 460/480 Volt, 3 phase, 60 cycle, • Variable shoot design (partial or full shot), • Stainless steel rotating assembly, Powder-coated grey iron frame and silumin cover, • Heavy Phase (water) discharged by gravity, Light Phase (oil) discharged under pressure by means of a paring disk (centripetal pump), • New control panel and VFD and HMI touch screen in wall mounted enclosure (non-explosion proof) • One (1) set of necessary special tools • One (1) set of regulating discs, One (1) set of spare bowl o-rings, One (1) copy of the Operation / Spare parts Manual, See details in Document Link. Feed pump not included. Customer required to supply their own feed pump. Allow 6-8 weeks ARO.	Reconditioned Florida
Centrifuge RSA-60 Asset ID: 1680 Westfalia	Westfalia RSA 60-01-076 vegetable oil separator.serial # 1697-254. Max bowl speed 6450 RPM, solids 1.25 kg/dm3, heavy solids 1.1 kg/dm3. Driven by 15 KW (20 HP) explosion proof motor 400v 3 phase 50 Hz. Rated @ 13000 LPH (approx 60 gpm), both liquid phases discharged under pressure, No tools or Controls. Was recently taken apart and thoroughly cleaned/inspected.	Used - Very Good Europe
Centrifuge RSE 50 Asset ID: 2361 Westfalia	GEA Westfalia disk centrifuge RSE 50-01-076, ser num 1724-341. Includes set of tools. Driven by 17.5 KW (25 HP) motor 1750 rpm 480v 3/60. Rated at approx 15,000 lbs/hr depending on feedstock. Last used for degumming tallow. Rated at 12,000 lbs/hr on soybean oil water degumming. This centrifuge is offered As Is but we can recondition for you and add controls to include warranty if desired.	Used - Good Florida
Centrifuge VO 10 ss Asset ID: 1931 Alfa Laval	**New Alfa Laval VO10 centrifuge** NEW centrifuge still in original crate. Built in 2021 and never used. This Alfa Laval VO-10 disk centrifuge is aimed for gentle and cost-efficient refining of vegetable oils. • Rated at hydraulic capacity 44 gpm for a nominal capacity of 100 TPD. • Direct drive 18.5 KW (25 HP) motor with VFD. 480v 3/60 • All wetted parts in contact with product are stainless steel 304 • Controls included • Tools included • Still in original crates • We have the complete specifications in our Virtual Data Room - by invitation • Available for immediate shipment	NEW Colorado

Centrifuge and Decanter/Decanter — **11 Items**

Decanter Asset ID: 1998 Siebtechnik	Siebtechnik short bowl decanter (SBD) model SBD 400K, serial 6790. Speed 2800 rpm. Drive motor approx 20 HP. The SHORTBOWL decanter with cantilever design is the optimal solution for hot applications and high cleaning requirements. This over-hung design special geometry is highly suited for the separation of fine solid particles having a specific gravity that is very different from the liquid phase. The unit is ideal for pharmaceutical or food operations.	Unrated Indiana
Decanter CB-505 Asset ID: 1716 Westfalia	Westfalia solid bowl horizontal decanter centrifuge. 2 phase, Model CB-505-71-32 sanitary. Used. Bowl 500/265 mm/19,685" diameter x 84" long. Centripetal pump discharge with GEA Varipond P design for adjusting pond depth on the fly. T316L stainless steel contact surface. Main drive 120 HP (90KW). Back drive 20HP. Max bowl speed 3500 rpm. Lube system with pump and plate exchanger, casing, and frame. No stand, no controls. Priced As Is - will need a stand. We can also recondition for you	Unrated Texas
Decanter Centrifuge CA-458 Asset ID: 7638 Westfalia	Westfalia CA 458-00-02 decanter centrifuge, 316ss. Max bowl speed 3000 RPM, 2300 G's, 18 x 80" bowl ID. 6.25" single lead hardsurfaced conveyor, 30 KW motor 440/3/60/3535 RPM, hydraulic backdrive with 15 HP motor feed tube, chutes and control panel mounted on a stand. 1994 vintage.	Used - Very Good Florida
Decanter Centrifuge P-3000 Asset ID: 1734 Sharples	Sharples decanter centrifuge Model P-3000. 125/1 ratio gearbox. 4.25” conveyor pitch spacing with tiles. 25 HP main-drive motor and 10 HP back-drive motor. 460/3/60. On skid with starter.	Unrated Amarillo, TX
Decanter Centrifuge P-3000 Asset ID: 1999 Sharples	Sharples P-3000 decanter. Rebuilt in 2019 and only run a few times after that. All new controls. Main drive is a belt drive with explosion proof motor 25 HP 460v 3/60, no back drive is included. Last running an alcohol slurry.	Reconditioned Colorado
Decanter Frames & Bases Asset ID: B2092 Alfa Laval	Frames and bases for Alfa Laval decanter PM75000. Three steel frames for decanter, (4) decanter bases (one with cover), Sold as a LOT.	Used - Fair Peoria, IL
Decanter Gastight ss316 Asset ID: 2351 Westfalia	**Westfalia Gastight Decanter 316ss** • Model CA 220-110 stainless steel 316 Max bowl speed 5100 RPM, flat angle bowl, wear liners on cake ports, pressure discharge of effluent, 1.5" single lead hardsurfaced conveyor, 11 KW motor 380/3/50/1450 RPM, cyclo gearbox with pinion and pulley backdrive, guard, feed tube. Very good condition. FCA Europe.	Used - Very Good Europe
Decanter P-3400 3-Phase Asset ID: 6001 Sharples	3-phase decanter Sharples P3400 Super-D-Canter. Bowl dimensions 14" x 48", beach angle 10 degree. Max speed of 4000 RPM, Max G force 3160 x G Force. Quasi-axial flow conveyor design. 316 ss rotating assembly & case and cover. P-165, Mounted to a unitized sub-base with vibration isolators. Main drive motor: 40 H.P. TEFC, 1800 RPM, 480 voltage, 3-phase, 60 cycle power required, NEMA-12 enclosure, Reduced voltage starter comes with it. No back drive motor. Built in 1980 - decanter was rebuilt in 2001. P.125 Gearbox Ratio - Max Allowable Torque on Gearbox 1.72kgf m. Capacity from 13 gpm to 75 gpm depending on viscosity of feed and rpm of motor. Rated at 11 ton/hr at infeed of 10% solids (264 TPD max). Price incudes removal and loading - any crating or handling for international shipping will be extra.	Used - Very Good Mexico

Decanter PM75000 Asset ID: 1762 Sharples	Sharples PM75000 Decanter - (2) Units available. RECONDITIONED - WARRANTY. Rated at 270 gpm. CENTRIFUGE 29 inch x 92 inch with Gear Units, (95 to 1). Material stainless steel ss316/ss317. Max bowl speed 2600 RPM, 2780 G's, 360 degree cake discharge, 10" single lead conveyor with STC tiles & STC feed zone, half-moon plate dams, fiberglass top cover, feed tube, P180 95:1 gearbox, Includes 175 HP motor 460/3/60/1785PM and new 60 HP AC backdrive. With stand, lube system, polymer feed tube, guards, vibration isolators, control panels, spare parts & tools. New controls with touch screen, vibration switch, and VFD's for 200 HP and 60 HP. Prior use: Waste water sewage treatment 1984 vintage. Allow 16-18 weeks ARO. There are (2) machines available - priced separately	Reconditioned Texas
Decanter, Gastight ss316 Asset ID: 2350 Siebtechnik Tema	**Siebtechnik Tema SBD-210 gastight short bowl decanter, 316ss.** • Gas tight decanter reconditioned by OEM in 2020 Max bowl speed 5000 RPM, 2933 x G, rated @ 11 GPM, 0.45 bar, 5.5 KW XP motor 690/400/3/50, gearbox, 0.37 KW XP backdrive, feed tube, guard, chutes, nitrogen purge system, SS support frame, PLC control panel with 2 VFDs and all documentation. 2013 vintage.	Reconditioned Eastern Canada
Sharples P3400 Decanter Centrifuge Asset ID: 2055 Sharples	Sharples P3400 completely reconditioned decanter centrifuge 14 x 48 52,500.00 Carbon steel skid and guards. 4.25 conveyor with hardfacing 4000 rpm max Non Sanitary P3400 , 15 HP back drive, 40 HP Main Drive 3,100 g's max, 50 GPM Gearbox assembly 125 to 1 gear box ratio All new bearings, seals, mechanical seals, o rings Paint Carbon steel base, White, paint carbon steel sub base white, and stand New main motor coupling and belts and vibration switch Control panel - Decanter Centrifuge control panel with 40 HP Bowl and 15 HP Backdrive 460 VAC / 3 phase power / 60 Hz 120 VAC transformer with protective circuit breakers 24VDC Power Supply with protective circuit breakers NEMA 12 Freestanding enclosure with thermostat controlled cooling fan Flange mount 100 amp disconnect and ground lug 150HP VFD with protective fuses for the Bowl 15HP VFD with protective fuses for the feed pump Emergency Stop Pushbutton	Reconditioned Texas

Chiller — 5 Items

Chiller 200 Tons Asset ID: 2089 GEA FES	**GEA/FES 200 TonR Liquid Chilling System** • MODEL: TR200-DR-DX [Skid Package] Screw Compressor Mdl. W52 SIZE: 200 Tons Serial 1272635 • TOTAL HOURS: 530 • REFRIGERANT: R-22 1225Lbs approx. • CHILLING UNIT: GEA Screw compressor, 8" suction, 3" discharge. Mounted on Separator tank • CONDENSER: 1307SF area, Size 23-180 Type BEM. Shell 300#@ 225Deg F, 24"OD, 1-pass. Tubes 150#@ 250Deg F, 304SS Tubes, 448 @ 3/4" x 15', 4-pass, epoxy coated inside CS heads. Wt 5445#. Shell side- R-22, 38400 PPH, 225#. Tube side-Water, 331400PPH, 50#. Shell side, temp 165Deg F in, 105Deg F out. Tube side Cooling water, 331,400PPH, 85Deg F in, 95Deg F out. 3.314MM Btu/Hr. • EVAPORATOR: Yes, 2-pass, Mfd. FES Heat Ex. Shell 300#@ 250Deg F, Tubes 150# @ 200Deg F. • DRIVEN BY: 500HP 3/60/460 Volts Fr 505USS. Across the line Starter • PRIOR SERVICE: Cooling water chillers for food ingredients production plant. Chiller was cooling 550GPM 50% Propylene Glycol /water solution to 0 Deg F, for circulation in a foods processing plant. Twin screw compressor. 1225Lbs Freon R-22 charge. • COMMENTS: Skid mounted package with GEA Micro III Mdl. 475GL touch screen digital controls w/color display in local NEMA 4 enclosure panel. Water cooled shell & tube evaporator & condenser. Includes separator vessel. Viking 3HP, 12gpm 300psi Lube oil package w/cooler, 163SF, 10"dia x 9'long. Total 530hrs.	Unrated Midwest US
Chiller 211 ton Asset ID: CH-1-GS Motivair	Motivair Chiller, industrial air cooled glycol chiller, model MLC-FC 820, ECF 820/CS ST.NT.MT. serial number T-03-AN-1001. Rated at 211 ton chilling (2.5 MBTU/hr), 2 screw compressors. Refrigerant R22. Pumping flow at 512 gpm. Physical size approx 271 inches x 87" wide x 96 inches tall. Weight 18,000 pounds. (Note that this information must be verified). Power full load amps 386A at 460v 3/60. Sound enclosure - level 71 dbA.	Used - Good Scribner, NE
Chiller 23 tons Asset ID: 2357 MTA TAEevo	**MTA Chiller 23.3 tonsR** • TAEevo Tech 351 Chiller rated at 23.3 tonsR (279,600 BTU/hr). • Built in Aug 2021. Very few hours - only ran for a year. Commissioned 7/22, decommissioned 7/23. • Air cooled industrial chiller, hermetic scroll compressor • Refrigerant R410A. • Chiller with storage tank reservoir 93 gallons, air cooled condenser and hermetic compressor. • Electrical 460/3/60. Total absorbed power 31.2 KW. Water flow min/max 33.9/105.7 gpm. Available head pressure min/max 22.4/58.1 psig. • Manual available at request. Designation 31100STD0BA40IB2A0, serial number 2200374406	Used - Excellent California
Chiller 260 Ton Asset ID: 5598 McQuay	Water Chiller. Built by McQuay. Used, 260 ton nominal capacity. Model # PEH063-CBA C. Chiller has self-contained single compressor hermetic chiller, plus condenser and evaporator. The control panel has a Microtech micro-processor. Motor is approx 300HP 460v 3/60. This unit uses refrigerant 134A and has 22,190 hours logged with 2331 starts. All service records and manuals are available. Chiller was taken out of service 2010. Unit is removed and ready for loading. Price includes loading on your truck.	Used - Fair Ft Worth, TX
Chiller 34 ton Asset ID: CH-2-GS Motivair	Motivair Chiller, industrial air cooled glycol chiller, model MPC-FC 5000, serial number T-03-Q-1087. Rated at 34.3 ton chilling, 4 screw scroll compressors, 4 axial fans. Refrigerant R22. Evaporator pumping flow at 83 gpm. Physical size approx 171 inches x 43.5" wide x 85.8 inches tall. Weight 4,850 pounds. Power full load amps 49 KW at 460v 3/60. Sound enclosure - level 71 dbA.	Used - Good Scribner, NE

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Columns		13 Items
BDU Biodiesel Unit Asset ID: X2058	BDU. Vertical on legs	Unrated Mississippi
Distillation Column 14" Asset ID: 8136 Paul Mueller Company	Glycerin Distillation Column. 14 inch Distillation Column built in 2006 by Paul Mueller Company. NEW S/N 357210-89. ASME NB# 43140 MAWP 50 psi @ 450F. Material: 304L stainless steel. 3 pieces - 313 inches overall height. NEW	New, Old Stock Virginia
Distillation Column 24" Asset ID: 8137 Paul Mueller Company	Methanol Distillation column. NEW - Built 2006 by Paul Mueller Company. 24" Distillation Column. S/N 357209 97-99. 4 pieces - 544 inch overall height. ASME MAWP 40 psi @ 250F. Material: stainless steel 304L. NEW. Empty Weight: 6116 pounds	New, Old Stock Virginia
Distillation Column, Beer Mash Asset ID: C-4101 SpecFab	Beer Distillation Column, stainless steel 27-tray. Size 72"ID X 108"ID X 69'-6" tall seam/seam, on 14'-3" skirt for approx OAH 86' 3". Mat'l ss304. ASME NB# 1453, MAWP shell 73 psig at 300F. Bolted trays with Sulzer LVG valves. Includes instrumentation attached to column, valves, ladders, grating on this column. Built 2007. See links for full tank drawings.and tray detail. Have box of spare trays in warehouse - tag 561	Used - Very Good Vicksburg, MS
Distillation Column, Rectifier Asset ID: C-4201 SpecFab	Rectifier Distillation Column, stainless steel 304L. Has (20) trays. Size approx 10' dia x 42'-2" tall seam/seam, on 14' 2" skirt. OAH approx 59' 10". Insulated, shell & tray Mat'l ss304. Capacity 28,580 gallons, weight 90,181 pounds empty. ASME NB# 80, MAWP 96 psi and fv at 300F. Tray Design: Koch-Glitsch Flexitray Model VLB-1OFL, each tray with (50) AC-5-U valves. All trays were reworked in 2014 and trays 18-20 were replaced. All passed inspection. Includes instrumentation attached to column, valves, ladders & grating on this column. Built 2007. See links for complete tank drawings and tray detail.	Used - Very Good Vicksburg, MS
Glycerin Coalescer Asset ID: X2018	Column coalescer. Last used as gycerin coalescer	Unrated Mississippi
Methanol Distillation Column Asset ID: E-612X SRS	Self Contained Skid and structure- Modular Distillation, by SRS. Used as methanol distillation.	Unrated Mississippi
Methanol Recovery Unit (MRU) Asset ID: X2048	Methanol recovery unit.	Unrated Mississippi
Molecular Sieve Columns (2) Asset ID: VS-4301 SpecFab	Molecular sieve beds, Size 138" ID x 14'-1" seam/seam tall. Mat'l cs SA-516-70. MAWP 50 psi and fv at 500F. Insulated 4". Includes all instrumentation, valves, piping, ladders & grating on this column. Built 2007. Weight approx 73,000 pounds (includes mole sieve weight of 53,000 pounds), built 2007. See links for full tank drawings. Qty (2) available - priced separately.	Used - Very Good Vicksburg, MS
Packed Column ss 33 ft Asset ID: C-4401 SpecFab	Vertical stainless steel packed column, size approx 36 "ID X 33'-7" seam/seam, sn 95. Vertical column, insulated 3". Packed bed is 186" depth, packing density 15 lb/ft3. Capacity 1844 gallons Material shell and piping SA-240-304ss, On 9 ft cs skirt for approx OAH 44 ft - 11 in. ASME NB# 77. MAWP 172 psig/FV at 250F. Vapor inlet/outlet 8"/18". Liquid inlet/outlet 6"/8". Has (2) 24" manways. Price includes instruments attached to this vessel plus ladders and platforms. Used for acid reduction. See link on web page for drawings, U-1 sheets. Still installed - removal extra.	Used - Good Vicksburg, MS

Scrubber, Biogas Asset ID: C-4570	Biogas scrubber, material carbon steel. Still installed - removal extra.	Unrated Vicksburg, MS
Scrubber, Packed Column CO2 Asset ID: C-3201 SpecFab	Vertical scrubber stainless steel packed column designed to scrub CO2. Size approx 60" ID X 31'-11" seam/seam on 4'-6" skirt, OAH 38' 5". Approx capacity 4700 gallons. ASME MAWP 87 psig at 200F. Material SA-240-304ss. Includes vertical ladder & platform. Water in top 3"/out bottom 4" countercurrent flow through packing. This price is for CO2 scrubber only. We can furnish structure ort whole package for additional. Gas CO2 in bottom side 24"/out top 24". See drawing in links. For complete package including blower, pump, structural, see asset PK-3201. For a list of components, enter pk3201 in search on web site.	Used - Good Vicksburg, MS
Scrubber, Packed Column Vent Gas Asset ID: C-3202 SpecFab	Vertical scrubber stainless steel packed column designed to scrub Vent Gas. Size approx 48" ID X 31'-11" seam/seam on 4'-6" skirt, OAH 38' 8". Approx capacity 3000 gallons. ASME MAWP 87 psig at 200F. Material SA-240-304ss. Includes vertical ladder & platform. Water in top 2"/out bottom 2" countercurrent flow through packing. CO2 gas in bottom side 16"/Vent Gas out top 16". See drawing in links. For complete package including blower, pump, structural, see asset PK-3201 asset PK-3201. For a complete list of components, enter pk3201 in search box on web site.	Used - Good Vicksburg, MS

Compressor/Air Compressor		10 Items
Air Compressor Asset ID: 1932 Atlas Copco	Atlas Copco rotary screw air compressor. GA180W-VSD-FF. Flexible pressure selection with VSD reduces electricity costs. Electronikon controls. Motor HP 220 HP, capacity approx 930 cfm. Noise suppressing cabinet to approx 78 dB(A). Compressor 79. This compressor was in good operating when shut down and idled in 2019. It was replaced because it was no longer large enough to support the needs of the plant. See compressor specifications in Document Link.	Used - Good Indiana
Air Compressor Asset ID: 1951 Atlas Copco	Atlas Copco rotary screw air compressor. GA180W-FF. Electronikon controls. Motor HP 220 HP, capacity approx 930 cfm. Noise suppressing cabinet to approx 78 dB(A). Compressor 80. This compressor was in good operating when shut down and idled in 2019. It was replaced because it was no longer large enough to support the needs of the plant.	Unrated Indiana
Air Compressor Asset ID: AC-7502 Atlas Copco	Atlas Copco rotary screw ZE4B. Oil free screw 800 cfm (will have to verify). Sn AIF.122373. MAWP 54 psig with 150 HP motor. Used as Yeast Prop air compressor	Used - Very Good Vicksburg, MS
Air Compressor w/dryer Asset ID: AC-7501A Atlas Copco	Air compressor Atlas Copco rotary screw GA75plus 410 cfm each at 150 psi. Includes regenerative desiccant air dryer for dry air to -40 pdp. Driven by 100 HP motor. Dryer is Atlas Copco Model CD185. 2008. Last used as plant air compressor.	Used - Very Good Vicksburg, MS
Air Compressor w/dryer Asset ID: AC-7501B Atlas Copco	Air compressor Atlas Copco rotary screw GA75plus 300 cfm each at 150 psi. Includes regenerative air dryer for dry air to -40 pdp. Driven by 100 HP motor. Dryer is Atlas Copco Model CD185. 2008 Last used as plant air compressor.	Used - Very Good Vicksburg, MS
Air Compressor 125HP Asset ID: B2101 Gardner Denver	Gardner Denver Electra Saver Stationary Base Mounted Screw Air Compressor. Model EAQQNC, Air delivery approx 574 cfm at 125 psi. ser. Num U32537. Skid mounted, air cooled, no enclosure. Hours unknown but slightly over 147,000 hours. Driven by 125HP Weg Motor. We have manuals	Used - Good Peoria, IL
Air Compressor 344 cfm Asset ID: X2029 Sullair	Sullair screw air compressor 5500 S-energy series rated at 344 acfm at 125 psig. Max operating pressure 135 psig. Driven by 75 HP motor at 1750 rpm 460v 3/60. Serial number 201709230018. In sound attenuating enclosure - sound level 73 to 78 dBA. Currently still in operation. West air compressor	Used - Good Mississippi

Air Compressor 344 cfm Asset ID: X2032 Sullair	Sullair screw air compressor 5500 S-energy series rated at 344 acfm at 125 psig. Max operating pressure 135 psig. Driven by 75 HP motor at 1750 rpm 460v 3/60. Serial number 201709120010. In sound attenuating enclosure - sound level 73 to 78 dBA. Currently still in operation. East air compressor	Used - Good Mississippi
Air Compressor, Recip Asset ID: 2052 EMAX	EMAX Reciprocating air compressor. Sits on top of its own air receiver. Driven by 7.5 HP motor, 220v 1 phase.. Maximum 175 psi and 26 scfm. Sits on 80 gallon reservoir. Refrigerated air, refrigerant is 134A. Refrigerated dryer is EMAX Model EDRCF1150030. Built 2020. Currently on filter press and pumping system. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Air Compressor, Recip 2HP Asset ID: 2066 Ingersoll Rand	Ingersoll Rand recip air compressor Model P1.5IU-A9, serial P20288T19051. Capacity 4.6 cfm at 135 psig. Voltage 115/1/60 2HP. With integral reservoir tank 20 gallons. Overall size 23" wide x 43" tall. Belt driven quiet operation 75 dBA. This is part of gryphon CBD dryer system belt tensioner and NOT SOLD Separately. Part of an entire CBD extraction system - enter PK6020 to see all components.	Unrated Northern US

Compressor/Gas Compressor — 3 Items

LeRoi Gas Compressor Skid Packages Asset ID: 7294 LeRoi	LeROI Model MHGF 12000 Gas Compressor SKID Packages - NEW, old stock. There is some weathering on the units but they have been inspected and the screws are still lubricated. Skid 88 in x104 in welded steel with 2 in drip edge. Compressor rotor twin screw diameter 127.5 mm. Drive motor 40HP TEFC 230/460V 60Hz belt drive w/guard, inlet scrubber. Starter / control panel with shutdowns, all plumbing & electrical wiring, all drains & piping connections to edge of skid. Please see the attached pdf's for drawings and parts list. These units were fabricated in 2009 and never put in to service. The application these units can be used for: gas gathering, well head gas compression, fuel gas boosting, vapor recovery, inlet gas boosting, and landfill gas. Weight 6,000 pounds each. Ready to Load. Three skids available - priced separately, Price includes loading. Discount if multiple units are purchased.	NEW Texas
Vapor Compressor (MVR) Asset ID: K-1651 AC Compressor Corp	**MVR Gas Compressor built by AC Compressor Corporation** • Model D24JR. Skid Mounted • Single stage centrifugal compressor with Buffer/Educt labyrinth shaft seals, and remote oiler • Includes 2000 HP Reliance squirrel cage induction electric motor, 1800rpm, 4000v 249A 60Hz/3 phase • Includes motor starter • Lufkin gearbox model N1400C Inlet volume: 49,375 ACFM. Serial number 1634-11461. Rated speed: 6012 RPM, temperature: 217F, pressure: 15 PSIA. Discharge pressure: 22.9 PSIA. Removed, ready to load on your truck.	Used - Good Grant City, MO
Vapor Compressor (MVR) Asset ID: 380-EQ-882 AC Compressor Corp	MVR Vapor Compressor by A C Compressor Corporation. Skid Mounted. Model # D20JR, Serial # 1634-11671. 22,543 ACFM Centrifugal Air Compressor. Single stage with buffered labyrinth type shaft seal. Features a cast iron housing with a stainless steel impeller and shaft. Inlet temperature 223 degrees F, Inlet pressure 15.6 MMH20, Discharge pressure 19.52 MMH20, Rated speed 628 RPM. Maximum continuous speed 6289 rpm, Maximum allowable discharge temperature 400 degrees F, Maximum allowable discharge pressure 15.7 psig. Driven by a Siemens, Type CG II 500 HP, 1775 RPM, 4000 volt motor. Motor rated for 60 amps @ 60 Hz. Compressor is coupled to motor through a Westech high speed gear unit with oil cooler, model # 10705. Drive couplings are by Rexnord and system features oil control and vibration analysis with a Bently Nevada 3300 system. Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.	Used - Very Good Saskatchewan

Conveyor/Belt — 4 Items

Belt Conveyor Asset ID: 2359	Belt Conveyor • Conveyor length 6'-5" incline with 8" Nose Over • Discharge Height 36" BOF • Incline angle 25 degrees • Belt width 16" • Overall horizontal length 16 feet • Belt: black PVC-120 2-ply with 1/2" tall cleats • Motor 1/2 HP 208-230/460 3/60 • Reducer - belt speed 60 fpm fixed • Control panel • Very few hours	Used - Excellent Tennessee
Belt Conveyor Asset ID: 2057	Belt conveyor, rubber cleated 23.625" wide. . Includes hopper infeed. Drive motor is 1/2 HP 230/460 3/60 1725 rpm with Nord gaer unit. Built 2019. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Belt Conveyor 12ft Asset ID: AF8	Inclined belt conveyor (last used to feed hopper). Approx size 18" wide x 12 ft long.	Unrated Illinois
Belt Conveyors for Bags (set of 4) Asset ID: 2360	Four conveyors as part of a bag filling line. These conveyors were part of a compete bag filling line running approx 4 to 5 bags (50 lb) per minute • Bag packer outfeed conveyor. 24" wide x 6 ft OAL. With bag guides. Stonepak serial num 11850001 • Inclined flattener. Belt conveyor with belts top and bottom designed to flatten filled bag. 24" wide x 10 ft long. Stonepak serial num 11851002 • Power curve. Portec 180 degree power curve, 25" wide belt x 34.5" centerline radius. Ser num N80388 • Gravity accumulation conveyor. Outfeed from metal detector to pallet wrapper. Length 10 ft. Stonepak serial num 11MISC-26	Used - Very Good South Dakota

Conveyor/Drag		**2 Items**
Drag Conveyor Parts Asset ID: Y-1642X Tramco	Assorted drag conveyor parts - Priced by the foot. These Tramco drag conveyors were purchased, dismantled, and shipped to the laydown yard. They are still in pieces. There is no guarantee that all the ones shown on the spreadsheet are still there but there is excellent value in these conveyor pieces (to make sections in whatever length you desire) - already disassembled and ready to load. We have more detail and photos of each asset [before it was dis-assembled]	Unrated Mississippi
Drag Conveyor ss Asset ID: 2059 Tramco	Tramco inclined drag conveyor. Size 14.5" wide x 25 ft long rising 13 ft. Model 10" x 6" Bulk Flo, serial BF-2070. Driven by 5 HP motor. Capacities from 1500 cu ft/hr to 3,750 cu ft/hr. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

Conveyor/Screw		**1 Items**
Screw Conveyor, ss 10 ft Asset ID: AF5	Conveyor for hopper. Stainless steel screw conveyor 9" OD x 118" long with 8" screw. Belt driven with 5 HP motor. Trough inlet x 4" pipe outlet with cylinder driven knife gate valve.	Used - Very Good Illinois

Dryer/Belt		1 Items
Biomass Belt Dryer Gryphon Asset ID: 2042 Gryphon	**Gryphon Biomass Hot Air Belt Dryer** • Gas fired recirculating counter current air dryer. Model A.318. • Dryer section is 3 ft wide x 18 ft long. • Evaporation rate (condensate rate) will be approximately 213 lbs/hr of water • Used for drying hemp with inlet moisture of 50-80% and outlet moisture of 7% to 11% moisture running at 3,000 #/day inlet and approximately 1,000 #/day dry mass outlet. • Natural gas burner rated at 1.5 MMBTU with all gas train valves, firing controls and Honeywell fire eye safeties. Supplemental electric heaters in each of the three sections. • Air flow is by blower rated at 2500 scfm with VFD drive AB PowerFlex 753. AirPro Fan Type HPSM254 high pressure radial shrouded fan. 600 rpm serial 23894 40HP built on 2008. • Six VFD drives in all Allen Bradley PowerFlex 525. • Condenser coils. • Includes infeed sifter and lid lift assembly for easy maintenance and operation. • Includes fabricated feed belt 23.625" wide cleated belt. • Full automation by Rockwell Allen Bradley and controls provided. Software plc controlled air volume, temperature and cycle time. Automated washing of chambers, air filter, and belt. • CTS cooling tower and condenser unit is part of the package. No need for baghouses, scrubbers, or exhaust stacks. See brochure in link for more information. Unit was purchased new in 2019 - only has 1,289 hours operation. Last used for hemp drying. Includes spares: (4) condenser filters, 1 dryer belt, bed skirts & spacers. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

Dryer/Compressed Air		4 Items
Air Dryer, Regenerative Desiccant Asset ID: B2098 Hankison	Hankison heatless regenerative air dryer Model DH-950. Rated at 590 scfm, 100 psig at -40 PDP. Desiccant activated alumina. S/N 3338-1-9505-13SD. Desiccant tanks ASME MAWP 250 psig at 200F.	Used - Good Peoria, IL
Air Dryer, Regenerative Desiccant Asset ID: 1933 Atlas Copco	Atlas Copco heated regenerative desiccant compressed air dryer rated for 150 psig and a pressure dew point of -40C/-40F. Twin towers. Skid mounted. Air flow approx 1100 cfm. ASME Nat'l Bd # 13082 MAWP 159.5 psi at 662 F. Serial No. CMGBD3A06R12. Was in operational condition when idled in 2019. See dryer brochure and specs under Document LinksAir Dr	Used - Good Indiana
Refrigerated Air Dryer Asset ID: X2030 ICP iDRY	Refrigerated air dryer by Independent Compressor Partners (ICP), Model iDRY iRDP400-4. Rated to nominal flow 400 scfm. Refrigerant R407C. Pressure dew poit 38F. West Air Dryer	Unrated Mississippi
Refrigerated Air Dryer Asset ID: X2031 ICP iDRY	Refrigerated air dryer by Independent Compressor Partners (ICP), Model iDRY iRDP400-4. Rated to nominal flow 400 scfm. Refrigerant R407C. Pressure dew poit 38F. East Air Dryer	Used - Good Mississippi

Dryer/Flash Dryer		2 Items
Swirl Fluidizer Flash Dryer System Niro Asset ID: AF94 GEA Niro	**GEA Niro Swirl Fluidizer System - Flash Dryer** Complete skid with inlet air gas heater, fluidizing slurry tank, controls. This is an agitated flash dryer. GEA Model 6.3 Mobile Unit, ID No. 128-1650-1-01 built in 2009. Stainless steel skid size 86" x 87" x 82" tall. Fluidizing slurry tank stainless is approx 3 ft dia x 3 ft tall with bottom scraped-wall blade agitator and outlet to screw conveyor. • Air flow 450-630 kg/hr • Inlet temp 100-350C • Outlet temp 60-150C • Water evaporation 0-55 kg/hr • Max powder rate 100 kg/hr • Max feed rate 150 kg/hr • Gas supply natural gas or propane Used for drying cellulose pastes prior to filtration. In feed tank, the vertical bottom driven agitator will disintegrate the viscous feed material into homogeneous feed. A specialized auger then pushes the slurry to the drying chamber. The Niro SWIRL FLUIDIZER™ offers a cost-effective solution for drying of pastes, filter cakes, and highly viscous liquids for obtaining a fine, homogeneous and non-agglomerated dry product – in one compact process step. **See detailed presentation in the Document Links**	Used - Excellent Illinois
Vacuum Dehydration Unit Asset ID: 2087 IFS	**Vacuum Dehydration Unit** Compact vacuum dehydration unit to remove free water, emulsified water, and minor impurities from oil. Designed for most lubricating, EHC and hydraulic fluids down to 150 ppm. Possible to use for dewatering used cooking oil (UCO) upon proper testing and approval. Standard features: 300 gph process flow rate, 5kW heater with programmable temperature controller, dry seal vacuum pump,, adjustable flow controls, skid mounted with casters, controls. 440v 3/60. These units are built to order - allow 10-12 weeks ARO. Photo is a catalog photo.	NEW Michigan

Dryer/Rotary		1 Items
Rotary Steam Dryer Asset ID: 5380 Davenport	96 inch dia Davenport Rotary Steam Dryer. Used Rotary Counter Flow Steam Tube. Shell & tube: 304 stainless steel. 104" OD x SCH.10. Pitch 0 DEG to 32 DEG. 46'9 O.A.L. 30HP motor, 349 RPM. Batch capacity: 80,000 lbs./hr. Shell rated for 1 ATM of pressure @ 370F. Tube rating 175PSIG @ 370F. Steam Rating: 130PSIG. Manufactured by Davenport. Previous Use: PTA Dryer.	Unrated Texas

Electrical		2 Items
Air Core Reactors 2000 KVA Asset ID: B2094 Trench Electric	Air core reactors by Trench Electric, Canada. Dry type, air cooled, rated at 2000 KVA, system volts 13.8 kV, 60 Hz, 1 phase. Rated impedance 0.5 ohm. Built 1993. Serial numbers 117770-4, 117770-3, and 117770-6. Weight 2150 pounds each. Two assembled, one in pieces. Qty (3) - sold as a LOT	Used - Good Peoria, IL

Disconnect 100HP Asset ID: AF91 Square D	Square D disconnect for 100HP vacuum pumps 460v. Quantity (2) - priced separately.	 Illinois

Electrical/MCC		2 Items
MCC Housing Asset ID: B2072 Allen Bradley	Motor Control Center (MCC) Panel (2). NEW. Empty, no buckets. Allen Bradley BUL.2100 - Motor Control Center, SN: 6502696382/000100, Series P, 600 VAC Max, 3-Phase, Horizontal Power - 800 Amps, Vertical Power - 600 Amps No doors. Approx size for shipping 40" w x 24" deep x 7 ft tall. This is a 2-section panel sold as a lot.	NEW, Old Stock Peoria, IL
Vacuum Starters Contactors, HV Asset ID: 2035 Allen Bradley	Vertical sections with Allen Bradley vacuum motor starters. With (3) vacuum starters 1520-V4DBDA-1. 2500 - 7200v 400A. Equiped with AB power monitors 3000 and GE 369 Motor Management Relays and GE 737 Feeder protection relays.	Unrated Illinois

Electrical/Motor		18 Items
40 HP Motors (NEW) Asset ID: X2097 Baldor	Baldor 40HP motor, 1770 rpm 460v 3/60. Frame 324T, TEFC.. Were spares - new, old stock. Qty (3) - priced separately	New, Old Stock Mississippi
Motor Asset ID: M107 Marathon	Marathon electric motor. Frame 286T. 1765 RPM. 230/460V	Used - Good Grant City, MO
Motor Asset ID: M1012 Toshiba	Toshiba electric motor	Unrated Grant City, MO
Motor 100 HP Asset ID: M111 Pacemaker	Pacemaker 100 HP electric motor. Frame 405TS. 1730 RPM. 230/460V	Used - Fair Grant City, MO
Motor 100 HP Asset ID: M103 GE	GE 100 HP electric motor. Frame 405TS. 1780 RPM. 230/460V, 140/70A.	Used - Good Grant City, MO
Motor 30 HP Asset ID: H114 Marathon Electric Blue Chip	Marathon Electric Blue Chip 30 HP electric motor. EPFC enclosure, 3530 RPM. Built in 2010. Model JJ286TSTGP4001CDL. Frame 286TS, 230/460V, 72/36 FLA, 60 Hz. SF 1.15 continuous duty. Physical weight 205 pounds	Used - Very Good Grant City, MO
Motor 30 HP Asset ID: M1005 Marathon	Marathon 30 HP electric motor. Frame 286TS. 3545 RPM. 230/460, 68.4/34.2A.	Used - Good Grant City, MO

Motor 40 HP Asset ID: H113 Marathon Electric Blue Chip	Marathon Electric Blue Chip Severe Duty 40 HP electric motor. NEW 3545 RPM. Built in 2005. Model CN324TSTGP4001CDL. 230/460V, 95/47.5 FLA, 60 Hz. Enclosure EPFC, Frame 324TS, continuous duty. Physical weight 584 pounds.	New, Old Stock Grant city, MO
Motor 40 HP Asset ID: M101 GE	GE 40 HP electric motor. Frame 324TS. 3565 RPM. 460V, 43.7A.	Used - Fair Grant City, MO
Motor 40 HP Asset ID: M102 GE	GE 40 HP electric motor. Frame 324TS. 3565 RPM. 460V, 43.7A.	Used - Fair Grant City, MO
Motor 40 HP Asset ID: M108 Pacemaker	Pacemaker 40 HP electric motor. Frame 404T. 1185 RPM. 220/440V, 147/73.5A.	Used - Good Grant City, MO
Motor 400 HP Asset ID: H2001 Siemens-Allis	Siemens-Allis electric induction 400 HP motor, vertical shaft. Model 145, S/N 1-5117-51041-1-1. Type FODV. Frame 507UP. 52.8 Amps, 4000V, 60 Hz. 1780 RPM. Includes 400W space heater. Last service was on cooling tower pump.	Used - Good Grant City, MO
Motor 450HP Asset ID: B2083 Marathon Electric	Marathon Electric 450 HP Motor, 460V, 60 Hz, 3565 RPM, Frame 449TSD	Used - Good Peoria, IL
Motor 50 HP Asset ID: M106 Marathon	Marathon 50 HP electric motor. Frame 365T. 1180 RPM. 230/460, 124/62A.	Used - Good Grant City, MO
Motor 60 HP Asset ID: M109 Pacemaker	Pacemaker 60 HP electric motor. Frame 404T. 1185 RPM. 220/440V, 147/73.5A.	Used - Good Grant City, MO
Motor 60 HP Asset ID: H109 Marathon Electric Blue	Marathon Electric Blue Max electric 60 HP motor. NEW, old stock. 3000 RPM. Model EVD 364THFS8046BT W. S/N WAA033158. Enclosure TEBC, Frame 364TC. 230/460V, 60Hz. Built 2007 - not used, instorage since then	New, Old Stock Grant City, MO
Motor 60HP Asset ID: M110 Pacemaker	Pacemaker electric motor 60HP 1200rpm	Used - Fair Grant City, MO
Vertical Motor 50HP Asset ID: 2080 US Electric	US Electric 50HP motor - vertical. Frame 326TP, 1775 rpm 230/460 3/60 Enclosure TE. Was in working order when removed 5 years ago.	Used - Good South Dakota

Electrical/Panels **2 Items**

Glycerin VFD Cabinet Asset ID: X2039	VFD control cabinet with Allen Bradley PanelView 600.	Unrated Mississippi
Skid Control Panel Asset ID: X2038 Benshaw	Reactor skid control panel annd I/O	Unrated Mississippi

Electrical/Switchgear		3 Items
Switchgear Asset ID: X2036	Switchgear. Breakers and starters: MCC3 ai breaker 3000A, 400A for biodiesel, (2) for air compressors 75HP, transformer breaker, LP2 breaker, cooling tower 100HP, cooling pump 60HP, east cooling pump 100HP south cooling pump 60HP, Fan 100HP, Fan 30HP, Fan 30HP, Fan 30HP, Fan 100HP, MCC2 main breaker 2500A. East panel.	Unrated Mississippi
Switchgear 13.8 kV Asset ID: B2100 S&C	S&C metal-enclosed switchgear.13.8 kV, main bus 600 A. Three phase 60 Hz. Catalog number CDA-749682	Unrated Peoria, IL
Switchgear, Gas Insulated 69kv (GIS) Asset ID: B2111 ABB	**Gas Insulated Switchgear (GIS) 69kv** ABB switchgear 69kv - insulated gas, small footprint (GIS) with leak tight Sulfur Hexafluoride gas (SF6). Model ELK-04 • Two (2) 69kv distribution busses with disconnects, • Eight (8) 72kv feeder circuit breakers, ELK-04 • Four (4) tie breakers • Panel • All inside protected building - never energized or used See 16 page detail sheet attached in LINKS.	New, Old Stock Peoria, IL

Electrical/Transformer		1 Items
Transformer 150 kva Asset ID: X2035 Siemens	Siemens 150 kva transformer - dry. 480v high side - 208Y/120 low side. 60/3	Unrated Mississippi

Electrical/VFD		3 Items
VFD 1HP Asset ID: 1459 Automated Direct	Mini VFD drive AC 1HP. Basic scalar control and you want simplicity, the GS1 series can get the job done. Offers an integrated keypad with speed control knob and built-in Modbus communications. Simple volts/Hz control, external analog input 0-10v, 0-20ma, or 4-20 ma. Modbus communications for 230v 3 phase control. Also has speed knob on front.	NEW Cumming, GA

VFD 2HP Asset ID: 7016 Allen Bradley	Allen Bradley Adjustable frequency variable speed controller (VFD). Rated for 2 HP. Preset Spd. Series C. Model 160-BA04NPS1. Input 380-460 volts,3 phase 50/60 hz. Output: 380-460V. Open enclosure IP20 The 160-BA04NPS1 is a Variable Speed Drive. This belongs to the 160 SSC drives by Allen-Bradley. It features compatibility with an input voltage of 380-460 VAC, 3-Phase along with an input current of 4.6 Amperes. It has an output voltage of 380-460 VAC, 3-Phase, output current, and power of 4.0 Amperes and 2.0HP or 1.5 kW, respectively. This drive has an Open (IP20) enclosure and is designed to implement speed modulation via Preset Speed configuration. Quantity (4) - priced separately	Used - Very Good Jacksonville, IL
VFD 7.5 HP Asset ID: AF90 SEW	SEW variable frequency drives (VFD) Movidrive. Inverter. SEW part number 08249571. Type MDX61B0055-5A3-4-OT. Size 5.5KW (7.5HP). Input 200-240V with 3HP output. Small footprint 105mm x 314mm weighing 2.8kg. Quantity (10) - priced separately	Used - Good Illinois

Elevator Leg		**1 Items**
Elevator Leg Parts Asset ID: X2106 BSI	Assorted elevator leg parts - sold as a LOT	Unrated Mississippi

Evaporator		**8 Items**
DeHydration Unit Asset ID: 6227 Wintek	Wintek Corporation DeHydration Unit. Like NEW - only 31 run hours!! This DeHy is a flash tower with condensate/receiver and vacuum system. Capacity feed content is designed for 12 to 21 gpm feed oil with up to 0.25% water. - based on soy oil modeled as a triglyceride. System consists of feed heat exchanger, a flash tank, a transfer pump, a pre-condenser, receiver tank with transfer pump, and a 10HP liquid ring vacuum system. Flash tower is cs 16 inch dia. DeHydration Unit is used to remove the water from your feed oil. When hot feed oil is exposed to a high vacuum, the water will flash into water vapor and be removed by the vacuum system. This system is skidded - removed and ready to load. Loading fee may apply depending on customer requirements and destination. See complete dehy design specs in attached file (link)	Used - Excellent Saskatchewan
Falling Film Evaporator Asset ID: 380-EQ-870 Unitech	Evaporator rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 then operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inch OD tubes x 36 ft long; and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation. This is the Evaporator and structure only - Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.	Used - Excellent Saskatchewan
Falling Film Evaporator Asset ID: 2043 BizzyBee	Bizzybee falling film evaporator. Model BZB, MTA chiller, and pumps. Used for recovering ethanol at up to 225L per hour (45-60 gallons per hour) continuous evaporation with 48 KW of heating at 480v and 13 tons of cooling. Serial no. BZB.1111.0000. Approved for both ethanol and heptane use. Includes vacuum pump and 3 liquid pumps. Physical size of rack is 3' x 3' and chiller & heater take up approx 9 sq ft more. Includes MTA chiller rated at 13 tons. Model TAEevo TECH 161. Refrigerant R410A. 30HP. Tru Temp heater rated at 48 KW. Vacuum pump is Agilent Model IDP-7. Was bought new in 2019 - was run for less than a year. See brochure in link. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Methanol Dehydration Unit Asset ID: 1760 Wintek	Molecular Sieve Dehydration Unit (MSDU) - Wintek methanol distillation recovery unit used in biodiesel plant. Model MSDU-M02.05, serial 110401. Molecular sieve beads can be regenerated when saturated	Unrated Saskatchewan

Rotary Evaporator, Lab Size 50L Asset ID: 2354	**Vertical Condenser Rotary Evaporator 50L** • 50L Rotary Evaporator - voltage 220 single phase • Chiller DLSB-50/30, voltage 220v single phase. • Rotate speed 0-122 rpm • Very few hours • Spare parts package The rotary evaporator can be rotated under constant temperature and under negative pressure to form a film, and is condensed and recovered in the evaporation solvent. It is especially suitable for concentration, crystallization, separation and recovery of heat sensitive materials. It is an important equipment for scientific research, pilot test and production in bio-pharmaceutical, chemical, food and other industries.	Used - Excellent Tennessee
Thin Film Evaporator Dryer Asset ID: 7112 Cherry Burrell	**Cherry Burrell Thin Film Evaporator** Thin film evaporator model 36-144. Used Turba Film Processor wiped film evaporator. Scraped surface area 106 sq ft. Model 36-144, serial 35463EA, mfg number A4128. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Nat'l Bd# 925. Driven by 40 HP motor 1182 rpm in/260 rpm at dryer. • ***Capacity depends on moisture and feed***. In general this evaporator can evaporate 30 pounds of water per hour per sq ft surface area. This evaporator has 106 sq ft surface area so it should be able to evaporate up to 3,180 pounds of water/hr. It was operating on lecithin (gums) drying and was doing 10 TPD (833 #/hr). • The jacket passed hydrotest April 2023. • Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Parts of a 3-stage steam ejector barometric vacuum system are available As Is - On pallet • This evaporator is the one on the right (without the blue writing) • We can sandblast and prime for $1500 extra • Equipment has been removed and is ready to load on your truck - price includes removal & loading. Sold As Is - We can also offer reconditioned state. RD-78	Used - Good Texas
Thin Film Evaporator Dryer Asset ID: 7135 Cherry Burrell	Cherry Burrell Thin film evaporator 36-144. Turba Film Processor wiped film evaporator. Scraped surface area 106 sq ft. Model 36-144, S/N 35465EA, Mfg # A4154. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Nat'l Bd# 927. Belt Driven by 40 HP motor 1182 rpm in/260 rpm at dryer (missing motor). Capacity depends on moisture and feed - on lecithin (gums) drying it was doing 10 tpd (833 #/hr). Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Equipment has been removed and is ready to load on your truck - price includes removal & loading. We can also offer in reconditioned state.	Used - Fair Bethany, MO
Thin Film Evaporator Dryer Asset ID: 7141 Cherry Burrell	Cherry Burrell Thin film evaporator 36-144. Turba Film Processor wiped film evaporator. Serial no. A4156. Scraped surface area 106 sq ft. Model 36-144. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME National Board # 929., ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Direct Driven through a Nord 6.74:1 gear reducer by 40 HP motor 1182 rpm in/260 rpm at dryer. Has a standard mechanical seal. Capacity depends on moisture and feed - on lecithin (gums) drying it was doing 10 tpd (833 #/hr). Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Equipment has been removed and is ready to load on your truck - price includes removal & loading. We can also offer in reconditioned state.	Used - Fair Bethany, MO

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Filters/Bag Filter		7 Items
Bag Filter Asset ID: X2089	Bag Filter, quick open top	Unrated Mississippi
Bag Filter - Single Bag Asset ID: T633 Crall	Crall products polishing filter - bag type. Model CBF-20-4-732-S, ASME NB #2926, serial 42315-2. Built 2000. MAWP 150 psi at 200F. Carbon steel. ASME MAWP 150 psi at 400F. With 3" inlet/outlet flanged connection. Last used as a food grade edible oil polishing filter. We can recondition for you. RD-39	Good Ft Worth, TX
Bag Filter - Single Bag Asset ID: 5689 Crall	Crall Prod. Vertical Polish Filter, Single Bag Model CBF-20-4-732-S, Serial No. 42472, Built 2001. Carbon Steel Shell with Stainless Baskets. With 4" Inlet/Outlet Flanged Conn. Last used in edible food oil service. RD-40	 Ft Worth, TX
Bag Filter - Single Bag Asset ID: 5701 Cutler Metal	Cutler Metal Vertical Polish Filter, Single Bag. Heads: 750 thk. Serial No. 95640, Built 1977. Carbon Steel Shell with Stainless Baskets. With Duplex / 3" Connect. Last used in edible food oil service. RD-49	 Ft Worth, TX
Bag Filter - Single Bag (2) Asset ID: 5700 FSI	FSI Vertical Polish Filter, Single Bag Model FSP-250-CS, Serial No. 6972 and 8296, Built 1983. Carbon Steel Shell with Stainless Baskets. With Duplex / 4" Connect. Last used in edible food oil service. Quantity (2) available - priced separately. RD47 & 48	 Ft Worth, TX
Filter Bag Asset ID: H2036	Filter bags for polish filter, size #2. There are 6 boxes of 25 bags each. P2S Polyester Felt Filter Bag. Bags measure 2 ft 5 in long. Priced for the LOT.	New, Old Stock Grant City, MO
Single Bag Filters (3) Asset ID: X2095 Rosedale	Rosedale single bag filter Model 8. New old stock - in warehouse. Carbon steel housing rated at 150 psig. Connection size 2" NPT, Housing size 30 (basket size 30"), swing bolt closure. Takes #2 bags. Fluoroelastomer seal, FSI/Polyloc basket type. Maximum flow rate 220 gpm. Qty (3) - priced separately	New, Old Stock Mississippi

Filters/Baghouse Dust Collector		6 Items
Baghouse Filter 1204 SF Asset ID: DC-1631 MAC	MAC baghouse Model 96LST96. Has 96 bags for 1204 sq ft cloth surface area. Style II (without infeed hopper) 4500149872. Serial number 115505-011-1. Approx dimensions 99.5 in x 99.5" x 281.75" tall overall including handrails. Uses 21 scfm cleaning air. Bags removable from top. Fan FA-1631 with ductwork and horizontal exhaust stack is available for extra. Used as hammermill baghouse. See link for manufacturer brochure. Still installed, removal extra	Used - Very Good Vicksburg, MS
Baghouse Filter 1204 sf Asset ID: DC-1632 MAC	MAC baghouse Model 96LST96. Has 96 bags for 1204 sq ft cloth surface area. Style II (without infeed hopper) 4500149872. Serial number 115505-011-2. Approx dimensions 99.5 in x 99.5" x 281.75" tall overall including handrails. Uses 21 scfm cleaning air. Bags removable from top. Fan FA-1632 with ductwork and horizontal exhaust stack is available for extra. Used as hammermill baghouse. See link for manufacturer brochure. Still installed, removal extra	Used - Very Good Vicksburg, MS
Baghouse Filter 145 sf Asset ID: DC-1630 MAC	MAC baghouse filter Model 96AVS16 S1Y II. Ser # 118992-001-1. Has 16 bags for 145 sq ft area. Size approx 34.5" x 34.5" x 70" tall. Used as baghouse filter at HM scale. Still installed, removal extra.	Used - Good Vicksburg, MS

Baghouse Filter 189sf Asset ID: F-10507 Donaldson Torit	Donaldson Torit Baghouse Dust Collector Filter Model CPC-3. Rated at 700 to 2000 cfm, surface area 189 sf. Uses Power Core filter pack technology instead of bags - 70% smaller than conventional baghouses. Model 1PC-3 takes 3 filter packs. On stand. Size 42.75" x 55.39" x 118.4" tall, weight 800 lbs. Complete assembly includes: • Baghouse filter, • NY Blower 12" square fan [SWSI CW UB Model 12 square fan arrgt 4, 1800 cfm at 6 SP. • Motor 3 HP 3500 rpm 3/60/230-460v TEFC], • Donaldson Rotary airlock 10AN [10" square], • Structure • Interconnecting ducting. Baghouse material: carbon steel painted. Compressed air req'd 10 scfm at 90-100 psig. Built 2012 - had light usage	Used - Very Good Kansas
Baghouse Filter 3719 sf Asset ID: FBAG-31 MAC	MAC baghouse filter dust collector, model 120RPT224 style 111. Serial number 112578-001-1. Carbon steel shell with 224 bags polyester 16oz for 3,719 sq ft filter area. Designed for 22,100 cfm at 17SF max. Air pulse cleaning uses 42 scfm at 90-100 psig. Air to media ratio 5.94:1 at 22,100 scfm. Includes sprinkler system (31.4 gpm per sprinkler x 3). Physical size 148" x 142" x 369" OAH. Weight 22,100 pounds.	Used - Very Good Vicksburg, MS
Baghouse Filter Silo 4300 sf Asset ID: cp101 Kice	Baghouse Filter, used. Kice model CR288-12 built 2006. Has 288 filter bags with cages - bag size 4-3/4" x 144" long. (Approx 4300 sf surface area). Baghouse size 12 ft dia. X 38 ft tall with 60 degree cone, partially insulated. On steel structure 14 ft x 14 ft x 9 ft tall. OAH approx. 45 ft tall. Carbon steel. With 3 ft screw conveyor at outlet. We have blower fan that went on this system - avaiable for extra cost - see asset cp102. NOTE: Baghouse system has been removed - stored at crane yard near Winnebago, MN. The optional Kice 60 HP blower system and ss stack (25,000 scfm) is in separate location (Marissa, IL). Baghouse filter shipping details: 13'-11" x 13'-10" x 44'-10 1/8 OAH, weight empty 30,500 pounds - allow 35,000 pounds. See links for baghouse filter drawing. We also have operating manual and wiring diagram + erection tips from Kice. Price quote for baghouse silo only.	Used - Good Winnebago, MN

Filters/Belt		**2 Items**
Belt Filter Press Asset ID: 1235 Ashbrook Simon Hartley	Belt Filter Press 1.2 meter wide cloth. Mfg by Ashbrook Simon Hartley. Model KP-Mark-2 Klampress, Size 1. Serial 4530.7.167, S/R number 4530. Top belt size 1.2 x 11.920 meters, bottom belt size 1.2 x 12.930 meters. Driven by 3 HP motor. Capacity approx 0 - 80 gpm depending on feed. Removed - ready to load.	Unrated Iowa
Pressure Filter 17sf hydraulic Larox Asset ID: AF95 Outotec Larox	Outotec Larox PF pressure filter unit. Model PF 1.6, type PF1.6712.6 C1.62 45, serial number 1020. Operating pressure up to 16 bar. Steel skid size 141" x 142" x 78" tall (3650 long x 2500 wide x 2300 mmm tall). Filtration area 1.6 sq m (17 sq ft). Has 1 polypropylene filter plate sized 900x1750mm cloth covered. Has pressing hydraulic unit + reservoir (250 liter), and pressing water pump + tank (500 liter). Fully automatic filter using recessed plates and diaphragms for pressure filtering.	Used - Very Good Illinois

Filters/Cartridge Filter		**8 Items**
Cartridge Filter Asset ID: 5684 Fulflo	Fulflo SF multi cartridge filter used as polishing filter. By Parker, Model SF12-3-3FK1, Serial No. 9201-0034-7687, Built 1981. ASME #7687, MAWP 150 psi at 500F. Carbon steel housing, for 12 cartridges with length of 30 inches. Flow rate 180 gpm total. With 3" inlet/outlet flanged connection. Physical weight 54 pounds. Last used as a food grade edible oil polishing filter. Qty (1). RD-35	Ft Worth, TX

Cartridge Filter Asset ID: 5685 Fulflo	Fulflo SF multi cartridge filter used as polishing filter. By Parker, Model SF12-3-3FK1, Serial No. 9201-0054-17057, Built 1996. ASME #17057, MAWP 150 psi at 500F. Carbon steel housing, for 12 cartridges with length of 30 inches. Flow rate 180 gpm total. With 3" inlet/outlet flanged connection. Physical weight 54 pounds. Last used as a food grade edible oil polishing filter. QTY (1) RD-36	Ft Worth, TX
Cartridge Filter Asset ID: 5686 Fulflo	Fulflo SF multi cartridge filter used as polishing filter. By Parker, Model SF12-3-3FK1, Serial No. 9201-0054-9861, Built 1983. ASME #9861, MAWP 150 psi at 500F. Carbon steel housing, for 12 cartridges with length of 30 inches. Flow rate 180 gpm total. With 3" inlet/outlet flanged connection. Physical weight 54 pounds. Last used as a food grade edible oil polishing filter. QTY (1). RD-37	Ft Worth, TX
Cartridge Filter Asset ID: 5680 Fulflo	Fulflo SF multi cartridge filter used as polishing filter. By Parker, Model SF12-3-3FK1, serial 9201-0054-9856, Built 1983. ASME #9856, MAWP 150 psi at 500F. Carbon steel housing, for 12 cartridges with length of 30 inches. Flow rate 180 gpm total. With 3" inlet/outlet flanged connection. Physical weight 54 pounds. Last used as a food grade edible oil polishing filter. Qty (1). RD-31	Ft Worth, TX
Cartridge Filter (3) Asset ID: 5681 Fulflo	Fulflo Vertical Polish Filter, Cartridge Model WG18-10-3FAK1. Carbon Steel Shell with Stainless Baskets. With 3" Inlet/Outlet Flanged Conn. Last used in edible food oil service. Quantity (3) available - priced separately RD-32, 33, 34	Ft Worth, TX
Cartridge Filters Asset ID: FC-1513	Cartridge filters, stainless steel. Quantity (2) - priced for the set	Grant City, MO
Dust Cartridge Filter 129sf Asset ID: AF11 Wam	Wamflo stainless steel cartridge filter for powder. Type FNC2J12PPOY, serial 11-FN-13-0004866. Size 24" dia x 36" tall on ss skid. Has 8 elements x 920mm long. Filter elements are pleated non-woven polyester. Filter surface area is 12 sq m (129 sf). Self-cleaning - uses compressed air countercurrent cleaning system with timer. Manufactured by Wam.	Illinois
Filter sleeves for cartridge filters Asset ID: H2029 Technologies	Cartridges for cartidge filters. Carbon Blockers made by KX Technologies Matrkx CTO 30 inch cartridges. Model 32-250-125-29. Design is 10 micron, Class 1 Chlorine & Odor & Taste. Diameter 2.5 inches, length 30 inch. Sold 4 to a box - priced per box. Quantity (37) boxes available	Unrated Grant City, MO

Filters/Coalescer		**4 Items**
Coalescer Filter Asset ID: 31-FL-192A TM Industrial	Coalescer Filter Rated at 15683 #/hr, 100 PPMW solids, 5 psig DP. ASME MAWP 800 psig at 250F external/FV at 350F, Nat'l Bd# 6164, s/n 6169. Capacity 5958 ACFH, 1 micron. Material is carbon steel. Probably TM Industrial Model 382 - see brochure in LINK. Used as Gas Clean-up Pre-Filter/Coalescer.	Used - Excellent Soperton, GA
Coalescer Filter Asset ID: 31-FL-192B TM Industrial	Coalescer filter Rated at 15683 #/hr, 100 PPMW solids, 5 psig DP. ASME MAWP 800 psig at 250F internal/FV at 350F, Nat'l Bd# 6165, s/n 6170. Capacity 5958 ACFH, 1 micron. Material is carbon steel. Probably TM Industrial Model 382 - see brochure in LINK. Used as Gas Clean-up Pre-Filter/Coalescer.	Used - Excellent Soperton, GA
Filter Asset ID: 31-FL-244 TM Industrial	Vertical single stage filter, 10 micron, carbon steel, 3" pipe in/out top entry. Designed for 101,940 #/hr (205 gpm) solvent with 0.2 PPMW solids, 5 PSID. MAWP 450 psi/FV @350F, Nat'l Bd# 6166, s/n 6171. Used as solvent filter - like new. Mfg by TM Industrial in 2009, used 42 days.	Used - Excellent Soperton, GA

Filtration Separator Asset ID: VK-2019 Lakos	Lakos filtration separator. High efficiency solids separator. Filter performance, rated to remove 98% of solids, 74 microns and larger, and 99% of solids 44 microns and larger in recirculating applications. Continuous non-barrier filtration with no backwashing or internal moving parts; automated periodic purging eliminates maintenance. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Unrated Vicksburg, MS

Filters/Membrane — 1 Items

Membrane Filter Press 1000sf Asset ID: 5547 Industrieterrein Belgium	Membrane Filter with hydraulic press and polypropylene plates. Supplied by DeSmet, built by Welders. Built 1985. Model OMF-1200, S/N 81630. 1000 square ft. filter area. 3" inlet/outlet. 51" W x 24' L x 90" H. Bed is 15' long. Uses 47" x 47" x 3.5" polypropylene plates. 64 plates included. Built for 6 bar (90 psi). 5.5kW, 440V, 3 Phase 50 Hz. Ram Info: Model CE 200.140.900KT5A. Co. No. 406383. Design No. 114357C. 900mm length. Includes manual for installation, operation, and maintenance. This filter will need new controls - we can furnish if desired. Price includes removal & loading. Available immediately.	Used - Fair Kingston, Jamaica

Filters/Microfiltration — 1 Items

Microfiltration Asset ID: 1922 Memtek	**Memtek EFC 3600 tubular microfiltration system by Siemens** • (3) microfiltration skidded modules in this set as shown. • Crossflow tubular membranes pvc • Concentration FRP tank 8 ft dia x 9 ft tall (3300 gallon capacity). • Mix Tank, FRP with top entering agitator • Circulation pump is centrifugal 50 HP 460/3/60 rated at 1060 gpm. • Overall footprint of system is approx 43 feet x 25 feet wide x 12 feet tall. Each skid is 33 ft x 8 ft x 12 ft tall. The basic EFC system is a skid-mounted package consisting of membrane modules, recirculation pump, in-place cleaning loop, backpulse mechanism, instrumentation and controls. The rugged fluorocarbon membranes are non-plugging, abrasion and chlorine resistant. The skid-mounted design is compact and requires minimal floor space. The Memtek® E-Series systems incorporates proprietary crossflow tubular membranes which remove precipitated contaminants and produce a high quality filtrate suitable for discharge or further treatment. Please note the price incudes removal and loading - contractor quote is budgetary until scope clearly defined. Price may vary based on scope. We can also deliver to you.	Unrated MN

Filters/Plate & Frame — 4 Items

Filter Press 200 sf Plate & Frame Asset ID: 7384 Durco Ascension	**Durco plate & frame filter press 200sf** • Has 16 Polypropylene plates 32mm + head plate & tail plate, 8.5 cu ft cake capacity. • Plates are approx 30 in x 30 in = 200 sf surface area (will have to be verified). • Can dewater slurries from 3 to 30% solids - last used in biodiesel service. • Hydraulic cylinder closing ram. • Model EP-G800/32-16 EP Sidebar Filter Press, 100 psi. Built in 2009, used 2 years then idled in 2011. New filter cloths were installed right before idling. Press is removed and ready to load.	Used - Good Marissa, IL

Filter Press System, Plate & Frame 72 sf Asset ID: 2045 Watermark	Plate and frame filter press system including filter press, slurry tank for diatomaceous earth/filter aid addition, (2) stainless steel Yamada diaphragm pumps. Hydraulic clamping pressure 3500 psi. Last used for winterization filtering of crude hemp/CBD oil. Full model number FP630G32L-16/32-5/10AXX, serial FP01254. Filter Press by Watermark Model Pro X FP630. Plate dimensions 630mm x 630mm (24" x 24"), has 18 total plates for 72 sq ft surface area. Hydraulics air driven, 2" feed pipe and 1.5" discharge piping. Slurry tank is poly with cone bottom. See representative drawing in link. Bought new - used less than 1 year. Approx size filter 30.5" wide x 152" long x 52" tall. Precoat skid is 64" x 46" x 73" tall. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Plate and Frame Filter Press 642 sf Asset ID: X2025 YingXinhuagong	Plate and frame filter press, hydraulic closure with hydraulic unit. Poly leaves (50) - Chinese maker. Filter area 60 sq m (642 sq ft). Serial 202104042 South one	Unrated Mississippi
Plate and Frame Filter Press 645 sf Asset ID: X2026 YingXinhuagong	Plate and frame filter press, hydraulic closure with hydraulic unit. Poly leaves (50) - Chinese maker. Filter area 60 sq m (642 sq ft). Serial 202104043 North one	Unrated Mississippi

Filters/Pressure Leaf		9 Items
Filter Press 400sf Vertical Asset ID: 5720 LFC Lochem	LFC Lochem Carbon steel filter vessel. 4.5' diameter, 12' OAH. Surface area 38.5 sq m (400 sf). Model MV.DCD H350 138.5/15/SB. Includes 16" bottom butterfly valve, includes all leaves. Last used for soybean oil bleaching. This unit has been removed and will need reconditioning.	Good Kingston, Jamaica
Filter Press 86 sf Vertical Asset ID: 2021 Sharplex	Sharplex vertical filter presses with structural steel frames. Pressure leaf filters. Capacity 8 sq meters (86 sf) 6 bar at 150 C (90 psig at 300F). There are 3 of these filters - and a place in the structure for one more. Includes some leaves but new sets will have to be purchased. There are some instruments, valves, and small polish filters on these skids surrounding these filter presses - they are included. Includes the 16" butterfly valve on 2 of these filters. Quantity (3) filters in (2) structures. Package - All included in quoted price. Loading on your truck is free.	Used - Fair Iowa
Pressure Leaf Filter Horizontal 412 sf Asset ID: 2025B Industrial Filter	Reconditioned Industrial Filter Horizontal pressure leaf filter press, Model D, Series 60-4-16, Type 122.902, Filtration area 412 sq ft. Tank dia: 60 inches dia Includes Set of 16 filter elements (leaves) 5-Ply with wire mesh, All stainless steel leaves. Used leaves in great condition. Hydraulic power pack with oil reservoir and 5 HP pump, basic controls to open/close bundle of leaves and door. Pneumatically operated vibrator. Hydraulic cylinders with oil piping. A-frame and beams are included. Unit will be sandblasted, primed, and final painted.. Delivery approx 4-5 weeks. Quantity available (2). Priced separately, discount offered if both are purchased.	Reconditioned Texas
Pressure Leaf Filter Horizontal 516sf Asset ID: F20820 Industrial Filter	Horizontal pressure leaf filters - we have 4 available. Industrial filter press (used), Series 60-6-20 Horizontal pressure leaf filter. Has 516 sf filtration area. Built for a project in 1994 and never used. Note that these are NOT reconditioned - will need refurbishment. Type 122.902, Serial F-20818. ASME Nat'l Bd# 3627 , rated at 70 psi at 310F. No A-frame or trolleys. No hydraulic power pack. No filter leaves. Approximate size 6 ft wide x 15 ft long x 8 ft tall, Empty weight 6800 pounds. See LINK for drawing is a representative filter - not the exact one. These are single filter units, not head-to-head. Price quoted is As Is loaded on your truck. NOTE: We actually have (4) of these filter shells. {F20818, F20819, F29820, F20821) - priced separately	Used - Good Texas

Pressure Leaf Filter Horizontal 910sf Asset ID: F20826 Industrial Filter	NEW Industrial filter press, Series 66-6-26 Horizontal pressure leaf filter with steam or chilled water jacket rated at 15 psi. Has about 910 sq ft filtration area. Built for a project in 1994 and never used. Filter shell only - will need refurbishment. Type 122.902, Serial F-20826. ASME Nat'l Bd# 3641, rated at 70 psi at 310F. Approximate size 6 ft wide x 20 ft long x 8.5 ft tall, Empty weight 12,800 pounds. See flyer for a representative filter - not the exact one. Ideal for winterizing or dewaxing edible oil. This is a single filter unit, not head-to-head. Price quoted is As Is loaded on your truck.	Used - Fair Texas
Pressure Leaf Filter Horizontal 412 sf Asset ID: 2025C Industrial Filter	Industrial Filter Horizontal pressure leaf filter press, sold Used As Is. Model D, Series 60-4-16, Type 122.902, Filtration area 412 sq ft. Tank dia: 60 inches dia Includes Set of 16 filter elements (leaves) 5-Ply with wire mesh, All stainless steel leaves. Includes leaves. Hydraulic power pack with oil reservoir and 5 HP pump, basic controls to open/close bundle of leaves and door. We can replace hydraulic cylinders and seal at additional cost. Removed, ready to load for immediate delivery. Quantity available (2). Priced separately although we can give discount if both are purchased.	Unrated Texas
Pressure Leaf Filter ss Horizontal 500sf Asset ID: 1941 Industrial Filter	Horizontal pressure leaf filter. ONE (1) USED, As Is. Industrial Filter pressure leaf filter, horizontal tank, vertical leaves, all stainless steel product contact parts, 60" dia. Horizontal tank, rated for 70 psi @ 180 deg. F, ASME code with vibrator and hydraulic power pack. Unit is designed as dry cake discharge with quick opening cam lock door. Unit has overhead hydraulic ram for retracting door and leaf bundle and manifold. • Series 60-3.5-19 Type 122.332 serial number F15401 • 500 sq ft surface area • Stainless Steel - all contact surfaces • Incudes 19 stainless steel vertical leaves 44" x 44" • Includes hydraulic power pack	Used - Good Texas
Pressure Leaf Filter Vertical 385sf Asset ID: 1942 Velo	Vertical pressure leaf filter. ONE (1) USED, AS IS INDUSTRIAL PRESSURE LEAF FILTER, MFG. BY INDUSTRIAL FILTER, TYPE 122.332, SERIES# 60-3.5-19, APPROX. 500 SQUARE FEET SURFACE AREA, HORIZONTAL TANK, VERTICAL LEAVES, ALL STAINLESS STEEL PRODUCT CONTACT PARTS, 60" DIA. HORIZONTAL TANK, RATED FOR 70 PSI @ 180 DEG. F, ASME CODE WITH VIBRATOR AND HYDRAULIC POWER PACK. INCLUDES (19) 44"x44" STAINLESS STEEL VERTICAL LEAVES. UNIT IS DESIGNED AS DRY CAKE DISCHARGE WITH QUICK OPENING CAM LOCK DOOR. UNIT HAS OVERHEAD HYDRAULIC RAM FOR RETRACTING DOOR AND LEAF BUNDLE AND MANIFOLD, INCLUDES HYDRAULIC POWER PACK.	Used - Excellent Texas
Vertical Pressure Leaf Filter Asset ID: X2076	Vertical pressure leaf filter press with butterfly valve at discharge.	Unrated Mississippi

Filters/Reverse Osmosis — 1 Items

RO Reverse Osmosis System Asset ID: 1923 Siemens	**Siemens reverse osmosis system (RO)**. Two identical RO systems - each arranged in a 3-stage 5-3-2 array. Designed to treat process tertiary effluent water and supply demineralized water. Flow is 190 gpm at 55 psig. Filter cartridges with 5 micron pore size protect the membranes. The membranes reduce the total dissolved solids (TDS) of the incoming stream of 14,309 mg/l to 138 mg/l in the final product water. The membranes also reduce the TOC content by >80%. Has 4" inlet, 3" outlet permeate pvc flanges. The RO pump is designed for 190 gpm at 410 Ft TDH and is driven by a 75 HP motor 480v 3/60. Each RO has its own controls but the VFD is not included. Built in 2007, decommissioned in 2011. Still installed. Special note: Qty (2) completely separate systems - priced separately. If both systems are bought, we can give a $10,000 discount from the total. Please note the price includes removal and loading - contractor quote is budgetary until scope clearly defined. Price may vary based on scope. We can also deliver to you. Spare set of membranes available.	Unrated MN

Filters/Special — 1 Items

Seitz Filter 3 sq ft Asset ID: 2060 Seitz	Seitz Enzinger Noll filter press. Model EF60/65CB serial no. 963048 rated at 6 bar (90 psi). Removable filter plate, Surface area 0.29 sq m, 100 liter. Construction ss316 stainless steel. Chamber 24" dia rated at 6 bar (87 psi) jacketed for 6.5 bar (94 psi) with manual screw lift. Built 1989. Note: This filter had a chiller no longer available. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

Filters/Strainer		3 Items
Basket Strainer Asset ID: 6003 Fluid Engineering	Fluid Engineering Series 105 Simplex Strainer. Cast 316 Stainless Steel. S/N 3100. 150 max pressure. Size 3.	Unrated Grant City, MO
Classifier Strainer Asset ID: CS-2101 SpecFab	Classifier Strainer by SpecFab. Size 14" dia x 11'-100 long face/face (14" sch 40S seamless pipe). Has internal screen assembly. Material ss304, horizontal on saddles. ASME MAWP 150 psig/FV at 300F. Used in Mash slurry tank systemr.	Unrated Vicksburg, MS
Motorized Strainer Asset ID: 7161 Fluid Engineering	Fluid Engineering Strainer Model 793, S/N 2919, Size 10, Max Pressure 150, Temp 32-150F, SS Mesh Screen, 1/16th in or 1575 Micron Equivalent	Used - Good Grant City, MO

Gear Reducers		9 Items
Expeller Vertical Hopper Feeder Drive Asset ID: 6015 Anderson	Rebuilt Vertical Hopper Feeder Drive for 33 or 55 DUO Expeller • Thrust Unit Housing, cleaned, Sandblasted and Primed. • Thrust bearing. • Front and Back End Bearings. • Crown & Gear set. • Seals and Gaskets.	Unrated Ft. Worth, TX
Gear Box for Paddle Mixer Asset ID: H117	Gear box for double shaft paddle mixer. Rebuilt.	Unrated Grant City, MO
Gear Reducer, Right Angle Asset ID: GR103 Marley	Marley Gear Reducer, series 27A. Ration 8.66/1. Serial # 10976, with Marley fan blade clamp fastener. For 12 blades. Originally a right angle gearbox for a cooling tower - can be used for any right angle gear reducing by taking off the top fan blade holder bracket. Has been reconditioned - ready to run.	Reconditioned Grant City, MO
Gear Reducer, Right Angle Asset ID: GR104 Western Gear	Gear Reducer by Western Gear Corporation. Ration 8.42-1. Frame FWD-55, sn# 654. Set up for 6 blades. Originally a right angle gearbox for a cooling tower - can be used for any right angle gear reducing by taking off the top fan blade holder bracket. Has been reconditioned - ready to run.	Reconditioned Grant City, MO

Gearbox, Falk Asset ID: B2112 Falk	Falk gear reducer Parallel Drive reducer, Model 445A3-CR. NEW, old stock. s/n 8000376. Input rpm 1750, ratio 37.96. output rpm 46.1. rated at 250 HP.	New, Old Stock Peoria, IL
Gearbox, Falk Asset ID: B2103 Falk	Falk Gear reducer Model 2100FC2AC, s/n 06-031686-01. Input rpm 1750, ratio 17.29. output 101 rpm. Rated 309 HP. Includes double chain sprocket	Used - Good Peoria, IL
Gearbox, Falk Asset ID: B2105 Falk	Falk gear reducer Model 445A3-CR. s/n 12-067283-01. Input rpm 1750, ratio 37.96. output rpm 46.1. rated at 250 HP. Reconditioned.	Reconditioned Peoria, IL
Gearbox, Falk Asset ID: B2113 Falk	Falk Gearbox, Inline speed reducer. Includes double chain sprocket. Model 1080FZ2A s/n 95-0A0584-01. Input 1750 rpm ratio 25.63, Output 68.3 rpm. Rated 40 HP. Shaft size input 2-1/4, output 3-1/2". Chain sprocket D200-18H	Unrated Peoria, IL
Gearbox, Lufkin Asset ID: B2093 Lufkin	Lufkin Gear reducer	Used - Fair Peoria, IL

Heat Exchanger/Condenser		**10 Items**
Condenser Asset ID: EP-2901 Jogler, LLC	Condenser. Jogler, LLC. SN 1802268-01. MAWP 50 psi at 150F. MDMT -20F at 50 psi. Part of FluidQuip SGT system Used as process building vent condenser.	Used - Good Vicksburg, MS
Condenser 1950sf Asset ID: 8069 Crown Iron Works	Unused Crown Iron Works stripper condenser 1950 sqft (181 sqmt) has (414) 3/4 inch (19.05 mm) diameter x 24 feet (7315 mm) long t304 stainless steel tubes rated 45 psi (3.1 bar). Has 24 inch (610 mm) diameter x 24 ft (7315 mm) long carbon steel shell rated 15 psi (1.03 bar). Was used as stripper condenser	New, Old Stock England
Condenser 374sf Asset ID: 8071 Crown Iron Works	Unused Crown Iron Works 374 sq ft (35 sq mt) horizontal condenser. Has (119) 3/4 inch (19.05 mm) diameter x 16 feet (4877 mm) long 304l stainless steel tubes rated -15/75 psi (-1.03/5.17 bar) design pressure at 250 deg F (121 deg C). Has 14 inch (356 mm) diameter x 16 ft (4877 mm) long carbon steel shell rated -15/165 psi (-1.03/11.37 bar) design pressure at 300 deg F (149 deg C). New 2004.	New, Old Stock England
Condenser 5088sf Asset ID: 8067 Crown Iron Works	Unused Crown Iron Works desolvent toaster condenser. 5088 sqft (473 sqmt), has (1080) 3/4 inch (19.05 mm) diameter x 24 ft (7315 mm) long t304 stainless steel tubes rated 45 psi (3.1 bar) design pressure. Carbon steel shell 40 inch (1016 mm) diameter x 24 ft (7315 mm) long rated +/-1 psi (-0.06/0.06 bar) design pressure. New 2004. Was used fior Desolvent Toaster condenser	New, Old Stock England
Condenser Reboiler 11,050 sf Asset ID: E-4101 DCR Construction	Reboiler, condensing heat exchanger horizontal shell & tube on saddles, mfg by DCR. Size approx 60" dia x 425" long. Has 1141 ss304 tubes 1.25" OD for surface area 11,050 sq ft. ASME NB# 233, MAWP shell 150 psig/FV at 400F & tubes 150 psig/FV at 300F. TEMA design NEM CLASS C. Material CS Shell/SS304 Tubes. Shell side saturated steam/tube side beer. Inspected, Reconditioned and repaired in 2015 - ran for only 3 more years. Used as Beer Column Reboiler sn 4101-7793.	Used - Good Vicksburg, MS

Condenser, Reflux 3187 sf Asset ID: E-4201 DCR Construction	Condenser. Heat exchanger vertical shell & tube design with skirt. 1 pass. Size 32" OD x 72" OD x 568" OAH (47.3 ft). Skirt height 165". Has 821 tubes ss304 at 0.75" for surface area 3,187 sq ft. sn 4201-7793 ASME NB# 230 MAWP 150 shell/ 75 tube psig at -20/300F. TEMA Design BEM CLASS: C. Material CS Shell/SS304 Tubes. Shell side cooling water, tube side reflux. 47 MMBTU. Used as Reflux Condenser.	Used - Very Good Vicksburg, MS
Condenser, Shell & Tube Asset ID: 31-V-164 PPV Precision Pipe & vessel	Condenser shell & tube heat exchanger. Manufactured by Precision Pipe & Vessel in 2009 - ran 42 days only - like new. Physical size 72" dia x 11'-6" . ASME rated MAWP 200/FV at 250F. Nat'l Bd# 679, s/n CV-0884. Material: tubes 304SS - shell carbon steel. Part of module fp311. Used as Flash Drum, High Pressure	Used - Very Good Soperton, GA
Condenser, shell & tube 408 sf Asset ID: E-2101 DCR Construction	Condenser. Heat exchanger Shell & Tube. Vertical. Size approx 16" O.D. dia x 136.6 " long. Heat transfer area 408 sq ft - Has (212) tubes at 0.75" OD x 120" long. ASME MAWP 150 shell / 75 tube psig at -20/300F. Design Class BEM CLASS: C, 1-pass heat exchanger. Material carbon steel shell/SS 304 Tubes. Sn 2101-7793. Cooling water on shell side and ethanol/air/water on tube side. This is a tank vent condenser (used for slurry mix tank TK-2101). Flat bottom sits on tank top TK-2101, vent inlet bottom 16" inlet/outlet vent top 4". Cold Water supply/return 4"/4". Vent opening in bottom. See condenser drawing in Link on web page.	Used - Good Vicksburg, MS
Evaporative Condenser 5013sf Asset ID: 8066 Crown Iron Works	Unused Crown Iron Works approximately 5013 sqft (466 sqmt) 1st stage evaporator. T304 stainless steel tubes has (1064) 3/4 inch (19.05 mm) diameter x 24 feet (7315 mm) long 304 stainless steel tubes rated 15 psi/full vac (1.03 bar/full vac) design pressure. Has 58 inch (1473 mm) diameter x 24 feet (7315 mm) long shell rated +/-1 psi (-0.06/0.06 bar) design pressure. New 2004.	New, Old Stock England
Evaporator Condenser 9498sf Asset ID: 8068 Crown Iron Works	Unused Crown Iron Works 9498 sqft (882 sqmt) 304 ss horizontal evaporator condenser. Has (2016) 3/4 inch (19.05 mm) diameter x 24 ft (7315 mm) long 304 stainless steel tubes rated 55 psi (3.70 bar) design pressure at 100 deg.f (38 deg.c). Has 56 inch (1422 mm) diameter x 24 ft (7315 mm) long shell rated +/-15 psi (-1.03/1.03 bar) design pressure at 212 deg.f (100 deg.c). 4 pass tube side, 2 pass shell side. New 2004. Vapor inlet 36:. Shell 56" OD x 24 ft.Overall size 6 ft top to bottom x 27ft-2" long, empty weight approx 32,970 pounds	New, Old Stock England

Heat Exchanger/Plate Exchanger		23 Items
Heat Exchanger Asset ID: X2009 Dolphin Marine Services	Plate heat exchanger. Type P2 Fill, rated at 110C and 6 kg/cm2. CFI Heat Exchanger	Unrated Mississippi
Heat Exchanger Asset ID: X2010	Plate heat exchanger Next to CFI	Unrated Mississippi
Heat Exchanger Plate Pack Asset ID: 2369 Alfa Laval	72 new plates for Alfa Laval TS20M heat exchanger. 316ss 0.6mm Flow Plate w/ EPDM Flow Gasket	Unrated Ohio
Heat Exchanger Plates (49) Asset ID: X-400P Alfa Laval	Approx 49 plates for Alfa Laval plate heat exchanger Model FC-500-WTFE - priced for the lot	Used - Good MN

Heat Exchanger, Plate Asset ID: 2368 Alfa Laval	New Alfa Laval TS20M plate & frame heat exchanger with 72 plates.	Unrated Ohio
Heat Exchanger, Plate Asset ID: X2021	Plate heat exchanger. Small Heat Exchanger Under glycerin colaescer Column	Unrated Mississippi
Heat Exchanger, Plate Asset ID: X2088	Plate heat exchanger used as oil dryer coolers. Qty (2) - priced separately.	Unrated Mississippi
Heat Exchanger, Plate Asset ID: X2056	Plate heat exchanger used as MRU Bio Cooler North	Unrated Mississippi
Heat Exchanger, Plate 277 sf Asset ID: X-410 Tranter	Tranter Plate & Frame Heat Exchanger, Model TW-108-HP-33. MAWP 150 psi at 250F; Surface area 277.8 sf w/approx 26 plates. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.	Used - Very Good MN
Heat Exchanger, Plate 4448 sf Asset ID: 6013 Polaris	Used Polaris Plate Heat Exchanger. 304 Stainless Steel. Approximately 4,448.50 Square Feet. (330) Stainless steel plates. Rated 150 psi at 284 degrees F. (4) 12" diameter inlet/outlets. Flow rate 3600 gallons per minute. Maximum # of plates 348. Mounted on a painted carbon steel expandable frame. Serial# 11738. Built 2010.	Unrated Illinois
Heat Exchanger, Plate 539 sf Asset ID: X-400B Alfa Laval	Alfa Laval Plate & Frame Heat Exchanger, Model FC-500-WTFE., sn 30105-54317. MAWP 55 psi at 302F. Surface area 539.6 sf, (19) plates at 0.6 mm gap cassette. Frame will be cleaned and painted. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.	Used - Very Good MN
Heat Exchanger, Plate 880 sf Asset ID: X-405 Alfa Laval	Alfa Laval Plate & Frame Heat Exchanger, Model EC-500-WTFE, sn 30105-54319. MAWP 55 psi at 302F, Nat'l Bd# 15636 Surface area 880.4 sf with (31) plates. Plates are 0.6 mm plates cassettes. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.	Used - Very Good MN
Heat Exchanger, Plate 114 sf Asset ID: E-2304 Alfa Laval	Alfa Laval Heat exchanger, plate. Surface area 113.7 sq ft. Plate gap 0.5 mm. Approx 100 to 150 plates. MAWP 150 psig at 32/320F. Model M10-MFG. Material ALLOY 316 sn30113-90890. Physical size 43.7" long x 18.5" wide x 42.7" tall. Mash mix side 1/water side 2. Mix flow rate 1700 lb/hr, water flow rate 38,000 lb/hr. Used as beer flash condenser. See drawing in Links. Still installed, removal extra.	Used - Good Vicksburg, MS
Heat Exchanger, Plate ss 280 sf Asset ID: E-1513 APV	APV stainless steel plate heat exchanger. MAWP 200 PSI @ 320 F. MDMT -20 F @ 200 PSI. Surface area: 280 sq. ft. with 2" inlets/outlets. Includes 153 ss316 plates at 0.6mm thick. S/N 30326.1. Last used as a product cooler for ethanol. See drawing for more information.	Used - Good Grant City, MO

Heat Exchanger, Plate Widegap 934 sf Asset ID: E-2302A Alfa Laval	Alfa Laval plate heat exchanger, wide gap model 350S-FG Mash-473,500 lb/h, Water 1,188,000 lb/h. Has 110 plates for 934.8 sq ft aurface area. Mat'l ss316. Serial number 30110-68345. ASME Nat'l Bd # 26343. MAWP 150 psig at 32 / 266F. Used as Mash Cooler #1. Still installed, removal extra.	Very Good Vicksburg, MS
Heat Exchanger, Plate Widegap 934 sf Asset ID: E-2302B Alfa Laval	Alfa Laval wide gap model 350S-FG Service: Mash-473,500 lb/h, Water-1,188,000 lb/h. Has 110 plates at 0.8 mm for 934.8 sq ft surface area. Mat'l ss316. Serial number 30110-68347. ASME Nat'l Bd # 26373. MAWP 100 psi at 200F. Used as Mash Cooler #2. Still installed, removal extra	Very Good Vicksburg, MS
Heat Exchanger, Plate Widegap 1600 sf Asset ID: E-4306 Alfa Laval	Alfa Laval Plate heat exchanger Widegap w/0.8mm plates Model 350S-FG. Size is 110" long x 45" wide x 126" tall. Has 1,600 sq ft surface area. Sn 30113-90891. ASME NB# 31400, MAWP 100 psig at 250F. Material alloy 316. Hot side ethanol 53,000 lb/hr/cold side water 125,000 lb/hr. Physical size 110.4" long x 45.4" wide x 126.4" tall. Used as Condensate Heater.	Used - Very Good Vicksburg, MS
Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3104 Alfa Laval	Alfa Laval Plate heat exchanger Widegap w/0.6mm plates Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68348. ASME NB# 26374, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #1. Still installed, removal extra.	Used - Very Good Vicksburg, MS
Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3105 Alfa Laval	Alfa Laval Plate heat exchanger. Alfa laval Widegap exchanger with 0.6mm plates. Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68349. ASME NB# 26391, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #2	Unrated Vicksburg, MS
Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3106 Alfa Laval	Alfa Laval Plate heat exchanger Widegap w/0.6mm plates Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68350. ASME NB# 26392, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #3. Still installed, removal extra.	Used - Very Good Vicksburg, MS
Heat Exchanger, Plate Widegap 934 sf Asset ID: E-3102 Alfa Laval	Alfa Laval Plate heat exchanger Model Widegap 350S-FG. Has 50 plates at 0.6 mm for 934.8 sq ft surface area. Sn 30110-68346. ASME NB# 26344, MAWP 150 psig at 32 / 266F. Material alloy 316. Hot side corn mash 310,300 #/hr/cold side water 271,700 #/hr. 3 pass. Material stainless steel 316. Physical size 108" long x 46.6" wide x 126.4" tall. Used as Yeast Prop Cooler #1. Still installed, removal extra.	Used - Very Good Vicksburg, MS
Methanol Condensor Asset ID: X2053	Plate heat echanger used as a methanol condenser	Unrated Mississippi
Plate Heat Exchanger Asset ID: X2047 GEA	Plate heat exchanger by GEA. ASME Nat'l Bd # 2834Heat Ex from MRU	Unrated Mississippi

Heat Exchanger/Scraped Surface — **3 Items**

Scraped Surface Heat Exchanger Asset ID: 7145 Votator	Cherry Burrell Votator Scraped Surface Heat Exchanger 6x72 single barrel - Shown As Is but we can recondition if needed. S/N 3455353. Direct Driven by 20HP motor, 1755 rpm/230 rpm out. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has 4 rows of ss blades (24 total). MAWP shell 250 psig at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 cu ft. Gear reducer Reynold ser No. 3455353, size 5. ratio 7.63:1, output 230 rpm. Volume in tube (product) 880 cu in, volume in jacket 1080 cu in. Physical weight of cylinder & tube is 1100 pounds. Total weight with frame & motor is approx 2500 pounds. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options	Used - Fair Grant City, MO
Scraped Surface Heat Exchanger 9sf Asset ID: 7107 Cherry Burrell Votator	Cherry Burrell Votator Scraped Surface Heat Exchanger 6x72 single barrel. Used. Model 1C672L, S/N 35464VA. This unit has a BWS jacket suitable for brine, water, steam. Last use was to cool lecithin edible oil with cooling water. Driven by 20HP motor, 1755 rpm/230 rpm out. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has 4 rows of ss blades (24 total). MAWP shell 250 psig at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 sq ft. Gear reducer Reynold ser No. 3455353, size 5. ratio 7.63:1, output 230 rpm. Volume in tube (product) 880 cu in, volume in jacket 1080 cu in. Physical weight of cylinder & tube is 1100 pounds. Total weight with frame & motor is approx 2500 pounds. Sold As Is - we can recondition for you for additional. See drawings in LINK. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options	Used - Good Ft Worth, TX
Scraped Surface Heat Exchanger 9sf Asset ID: 7108 Votator	Votator Scraped Surface Heat Exchanger 6x72 single barrel. Model 6SSHE, S/N 90294EC, Mfg Number 00-17418, A5136. This unit has a BWS jacket suitable for brine, water, steam. Lat use to cool lecithin edible oil with cooling water. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has fours rows of ss blades (24 total). MAWP tube 400 psi at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 cu ft. Volume in tube (product) 910 cu in, volume in jacket 2,000 cu in. Driven by 20HP motor 1755 rpm/222 rpm out Physical weight of cylinder & tube is 1150 pounds. Total weight with frame & motor is approx 2500 pounds. See drawings in LINK. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options	Used - Good Ft Worth, TX

Heat Exchanger/Shell & Tube		**19 Items**
Condenser, shell & tube 12,595 sf Asset ID: E-4504 DCR Construction	Evaporative Condenser, stainless steel heat exchanger, mfg by DCR Construction. Insulated Horizontal shell & tube heat exchanger, 1 pass. Vapor inlet 54" and 4"/outlet 6" to evap vacuum eductor VE-4505. Cooling water inlet/outlet 30"/30". TEMA style NEM. ASME Nat'l Bd# 238, MAWP shell 150 psi/FV at 200F, tubes 50 psi/FV at 300F. Sn 4504-7793. Size 72" OD x 264 inch long tube area and 447.8" OAL Has 1785 tubes at 1.25" OD for 12,863 sf area. Sized for condensing air & water vapor at 60.6 scfm at 105F.outlet to vacuum eductor. Horizontal, on saddles. Built 2008. Mat'l shell cs, tubes ss304. Still installed and difficult to reach. Weight 63,056 pounds.. Still installed, removal extra	Very Good Vicksburg, MS
Counter Flow Biomass Cooler Asset ID: X2101 Yulong	Yulong counterflow cooler for meal, pellet, or biomass - size 2.4 cu meters. Throughput capacity 2 to 3 MT/hr. Rotation 980 rpm. Power usage 0.37 KW (1/2 HP)	Unrated Mississippi
Heat Exchanger, Plate Asset ID: X2057	Plate heat echanger used as MRU Bio Cooler South	Unrated Mississippi

Heat Exchanger, Plate Asset ID: X2098 GEA PHE	GEA PHE plate heat exchanger, Model NT150, serial number EIA-160/50072. MAWP 150 psig at 300F. 88 plates (dimension 12.7 inches). Excellent condition, lightly used in warehouse.	Used - Excellent Mississippi
Heat Exchanger, Plate 94sf Asset ID: X2099 Alfa Laval	Alfa Laval plate heat exchanger model M10. Has 42 plates at 0.5 mm spacing for 94.7 sq ft surface area. MAWP 150 psig at 190F. Serial number 30115-74342. Excellent condition, lightly used in warehouse.	Used - Excellent Mississippi
Heat Exchanger, Shell & Tube Asset ID: X2017 Plant Maintenance	Shell & Tube heat exchanger. Last used as Heat Exchanger Next to Glycerin Tanks	Unrated Mississippi
Heat Exchanger, Shell & Tube Asset ID: EP-2801 Enerquip	Vertical Tank heater. Shell & Tube heat exchanger, insulated. Enerquip SN 18303. ASME Nat'l Bd# 15963 MAWP . Used as Polisher feed tank heater, Was part of FluidQuip BOS system.	Unrated Vicksburg, MS
Heat Exchanger, Shell & Tube 1819sf Asset ID: 8084 Thermotran	Heat Exchanger, Mfg by Thermotran. Tube & shell material both are carbon steel. MAWP: Shell Pressure 150 psig at 150F. Tube Pressure 1040 psig at 355F. Arrangement is 2-pass shell and 2-pass tubes. Has 340 tubes 0.75" dia x13 feet. Heat exchanger overall length 18.75 feet. Shell 2 ft-10" dia x 1/2 inch thick. ASME NB# 139, S/N H-1441. Inlet/outlet 10". Designed for 306,500 #/hr water shell side at 630 gpm. Designed for syngas tubeside 107,813 #/hr. Heat exchanged 9.2 MMBTU/hr. See link for U-1 and heat exchanger drawing.	Unrated Texas
Heat Exchanger, Shell & Tube 203 sf Asset ID: 41-E-108 HED	Heat exchanger shell & tube TEMA design NEU. Heat exchange area 203 sq ft. Material carbon steel tubes/shell. ASME MAWP tubes 1650/FV at 550F and shell 1750 psig at 550F. Physical size 13" dia X 12 ft long. Designed for 8.8 MMBTU/hr, Stm 487/487F, Syn Gas 120/360F. Tube size 1/0.109, 3550 #. For a capacity of 83 gallons. Built by Heat Exchanger Design (HED) in 2009 - like new. Nat'l Bd# 2231, sn 4017B. Last used as Syngas Preheater. We have U-1A - see links. (Part of module fp413). Still installed and will require plant to "safe" the piping to disconnect. Might not be available or could take a while to get it removed. Please inquire.	Used - Very Good Soperton, GA
Heat Exchanger, Shell & Tube 2151sf Asset ID: 41-E-112 HED	Heat exchanger shell & tube TEMA AEU design. U-tube type, Heat transfer area 2151 sq ft, ASME MAWP tubes 1650 psig/FV at 385F, shell 150 psig at 250F. Nat'l Bd # 2932, serial# 4017C. Rated for 98 MMBTU/hr, Water 90/110F, Reactor Effluent 300/105F. Material 304L stainless steel tubes/CS shell. There are 325 tubes sized 5/8" OD with 0.065" wall, Physical size 25" dia x 20 ft. Manufactured by Heat Exchanger Design (HED) in 2009. Physical weight 16,620 pounds. Ran 42 days - like new. We have U-1A - see Links. (Part of module fp413)	Used - Very Good Soperton, GA
Heat Exchanger, Shell & Tube 5861 sf Asset ID: 31-E-188 Heat Exchanger Design Inc.	Shell & tube heat exchanger, Heat transfer area 5,861 sq ft, Physical size 38" dia X 28 ft long. Material shell KCS (killed carbon steel)/ tubes carbon steel SA179. Rated at 450 psig 4.02 MMBTU/hr, HP Solvent 36/102, Lean Solvent 121/46F. TEMA type BFU, 2-pass shell side, 2-pass tube side. Manufactured by Heat Exchanger Design in 2009 - ran only 42 days - like new. ASME MAWP 450/FV at 350F, Nat'l Bd# 2891, s/n 4015. Has (611) 3/4" tubes. We have drawings and U-1A - see Links. Used as Solvent / High Pressure Liquid Exchanger on fp311.	Used - Very Good Soperton, GA

Heat Exchanger, Shell & Tube 829sf Asset ID: 41-E-104 HED	Shell & Tube Heat exchanger manufactured by Heat Exchanger Design (HED) in 2009. Designed for 7.1 MMBTU/hr, Syn Gas 360/550F, Reactor Effluent 650/463F. Tema design NEN, 829 sq ft, 0.625/0.082, 10250 #. ASME MAWP tubes 1650 psig/Fv at 700F, and shell 1650 psig at 650F. Serial number 4017A, Nat'l Bd# 2930. Material Low Alloy: Shell A333 GR 11 high nickel content, tubes stainless steel A-213 Gr T11. Physical size approx 16" dia x 20 ft 11 in long. Tubes straight, 259 tubes at 5/8 in OD. Shell inlet/outlet 8 inch. Tube inlet/outlet 6 inch. Last used as Feed/Effluent Exchanger. See U-1 form in links. (Part of fp413 SynGas conditioning). Special NOTE: This heat exchanger is still installed in the system and will not be available for a few months until they can "SAFE" the system to remove. Check with us on availability and ship date.	Used - Very Good Soperton, GA
Heat Exchanger, Shell & Tube 1181sf Asset ID: E-7201X DCR Construction	Heat exchanger shell & tube by DCR. Size 28 OD" x 159" long, horizontal on saddles, insulated. Has 615 ss304 tubes at 0.75" OD for surface area of 1,181.1 sq ft. sn 7201-7793 ASMA NB# 214 MAWP 150 shell/ 150 tube psig at -20/400F. TEMA Design BEM CLASS: C. Material CS Shell/SS304 Tubes. Shell side steam/tube side beer Used as Flash Recovery Condenser	Used - Good Mississippi
Heat Exchanger, Shell & Tube 135 sf Asset ID: 31-E-236 Precision Pipe & Vessel	Shell & tube heat exchanger, Surface area 135 sq ft, physical size 10 in dia x 8.5 ft long. Designed for 1.44 MMBTU/hr, operating pressure 80 psig. Shell side Steam 324psi/307F, tube side HP Solvent 102psi/125F. ASME rated at shell 150 psi at 400F, tube 200 psi at 250F. TEMA Design NEN. Has 81 tubes 3/4" 14 gage tubing, 0.75/0.083, empty weight 1913 #. Manufactured by Precision Pipe & Vessel in 2009 - ran only 42 days - like new. Material: shell is seamless pipe carbon steel SA-106 grade B, tubes are carbon steel 14 gage. We have drawing in Links. Used as High Pressure Liquid Heater on fp311. Still installed - allow 2-3 weeks for removal and loading.	Used - Very Good Soperton, GA
Heat Exchanger, Shell & Tube 280sf Asset ID: 31-E-234 Precision Pipe & Vessel	Shell & Tube heat exchanger, Rated at 800 psi 0.364 MMBTU/hr, Treated Gas 21/100F, Raw Syn Gas 110/64F. Shell & tube, TEMA design NEN, 280 sq ft, 0.75/0.065, 3237 #. Physical size 10 in dia x 23 ft 5 1/8 inch long. On channel saddles 2'-6". ASME MAWP 800/Fv at 350F shell, 800/fv at 250F tubes. Manufactured by Precision Pipe & Vessel (PPV) in 2009. Material tubes 304L Stainless/shell CS. Insulated calcium silicate. See drawing in Links. Used for Gas Clean-up Feed/Effluent Exchanger. Part of fp311. Still installed - will be difficult to remove.	Used - Very Good Soperton, GA
Heat Exchanger, shell & tube 3322 sf Asset ID: E-4205 Harris Thermal Transfer	Condenser Heat exchanger shell & tube, Size approx 32" ID x 251" long with expansion joint. Hung vertical with lugs. Has 940 ss316 tubes 3/4" OD x216" long for heat transfer area of 3322 sq ft. MAWP 100 psia & FV shell/ 35 psig & FV tube 6t -20/320F. Heat exchanged 25.5 MMBTU. TEMA Class BEM CLASS: C. Material Shell CS SA-516 Gr 70/Tubes SS316. Sieve feed 12" nozzle & 4" low proof out on tube side (190 proof ethanol). Steam on shell side 8" steam in/4" steam out. Used as Mole Sieve Vaporizer Condenser sn 25944.	Used - Good Vicksburg, MS
Heat Exchanger, shell & tube 3483 sf Asset ID: E-4401 DCR Construction	Condenser. Heat exchanger vertical shell & tube design with skirt. 1 pass. Size 36" OD x 257" long with 48" cs skirt for approx 305" OAH (25.4 ft). Skirt height 48". Has 1127 tubes ss304 at 0.75" for surface area 3,482.9 sq ft. sn 4401-7793 ASME NB# 223 MAWP shell 75 psig/FV at 300F/tubes 150 psi/FV at 300F. TEMA Design BEM CLASS: C. Material SS 304 Shell/SS304 Tubes. Shell side final product vapor, tube side cooling water. Used as final product condenser.	Used - Very Good Vicksburg, MS
Heat Exchanger, Shell & Tube ss 102sf Asset ID: 8138 Paul Mueller	Paul Mueller Company Heat Exchange Tube. Stainless steel shell and tubes ss304. Brand NEW - never used, stored in warehouse. Style TEMA BEM. Size 6-5/8" OD x 247" OAL. (6" ID x 240" tube length). Built 2006. ASME Nat'l Bd # 42489, S/N 357149-16. MAWP shell 125 psi @ 600F, tubes 150 psi @ 400F. NEW. 26 Tubes at 0.75" OD x 240" for 102 sf heat exchange surface area. Inlet/Outlet flange connections all are 2". Empty weight: 607 pounds.	New, Old Stock Pennington Gap, VA
Heat Exchanger, Shell & Tube ss 22sf Asset ID: E-7707 Thermal Transfer Products	Shell & tube heat exchanger by Thermal Transfer Products. Material ss316, model SSC-1260-6-6-F. Four pass exchanger with 3/8" ss316 tubes. Surface area approx 22 sq ft. MAWP shell 300 psig at 300F/tubes 150 psig at 300F. Sn 788112. Size 6.25" OD x 66" long. Tube side connections 3" screwed / shell side connections 2.5" NPT. Can handle flows from 20 gpm to 110 gpm. See brochure for rating. At 60 gpm, can remove 85 HP of heat (216,000 BTU. Used as Gluco system Heat Exchanger.	Used - Very Good Vicksburg, MS

HVAC **1 Items**

Cooling Tower Asset ID: CT-7101 SPX COOLING TECHNOLOGIES	SPX Marley cooling tower, 2 cell 163.5 MMBTU 17,500 gpm. Includes (5) circulating pumps 5,185 gpm each 350HP 4160v and 1 20HP booster pump, sn F467B-50-02.	Unrated Vicksburg, MS

Instrument		**2 Items**
Dryer Instruments Asset ID: VK-2027	Listing of all instruments on Ring Dryer asset DR-5201. Approximate count 350. See Excel spreadsheet in link. Part of ring dryer DR-5201 and not sold separately at this time. For a list of all components, enter dr5201 in search box.	Unrated Vicksburg, MS
Isolated Signal Converter Asset ID: S2000 Adtech	Adtech powered isolated signal converter, model SCT 502 snap track mounting. Input 4-20 maDC, output 4020 maDC. Power 115 vac. The Adtech Model SCT 502 AC powered Isolated Signal Converter provides a user configurable solution for ground loops and problems encountered in connecting together recorders, process control systems, computers, DCS and PLC systems. The SCT 502 breaks the galvanic path between the transmitted signal and the output receiving device insuring reliable and accurate signal transfer. Qty (10) - priced separately	Used - Very Good Jacksonville, IL

Instrument/Flow Meter, Mass		**5 Items**
Mass Flow Meter 1" Asset ID: SM01 Micro Motion	Micro Motion 1 inch mass flow meter with transmitter. Model DL100S202SU, Serial 239517. DL sanitary series. Originally calibrated for 53 gpm oil. Sensor attached to flow meter, sn 2395175. Includes transmitter model RFT9739E4SUJ sn 7016482 - for transmitting to plc or touch screen. Suitable for max flow 800 lb/min. (If Oil at 7,9 lb/gal - max flow 100 gpm). This is a used mass flow meter - we will clean recondition and calibrate to your liquid with warranty 24 months. Allow 3 to 4 weeks ARO	Reconditioned Jacksonville, IL
Mass Flow Meter 1/4 in Asset ID: S3101 Micro Motion	Micro Motion 1/4 inch mass flow meter DS series, stainless steel 316. Meter Model DS025H999SU, ser 214093. Sensor mounted on meter. Temp range from -240 to 177 C.	Used - Excellent Jacksonville, IL
Mass Flow Meter 2" Asset ID: 1450 Micro Motion	Micro Motion mass flow meter with transmitter. Model CMF200M418PU. Remanufactured. Material: 316L, size 2" x 1 1/2" 105# weld neck RFF. Nominal flow rate 105,000 lb.hr, max flow rate 192,000 lb/hr. Transmitter is remanufactured model RFT9739MVD, 4-20 ma HART protocol. Allow 2 weeks ARO for shipping.	Remanufactured Rebuilt Louisiana
Mass Flow Meter 2" Asset ID: 1959 Micro Motion	Micro Motion Coriolis mass flow meter Model R200S418, Size 2". Serial number 14102359. All wetted parts stainless steel 316L Transmitter is 1700 single variable field mount transmitter with back lit dual line display. Last used in margarine service. Sold As Is but we can recondition for you for extra - ask for a quote. Reconditioning will include cleaning, pressure testing, calibrating to your specifications, transmitter testing, and warranty.	Used - Good Jacksonville, IL
Mass Flow Meter 4" Piping ss (8) Asset ID: 1727 SWR	Mass Flow Meter NEW. Size 4" pipe flanged. SWR type DensFlow HD DN4, model 75-5080-11.2B or some are 75-5080-11.2C PN825. Process temp -10 to +120 C. Max pressure 1650 psi (110 bar). Output 24 vDC/0.3A. Made in Germany, distributed in USA. Stainless steel, ceramic lined. DensFlow is a measuring system specially developed for flow metering of solids in dense-stream conveying. DensFlow is used in the online measurement of powders or granules. Contactless measuring - no mechanics. Quantity (8) - priced separately	New, Old Stock Marissa, IL

Instrument/Flow Meter, Vortex	**5 Items**

Flow Meter Vortex Asset ID: S1209 Foxboro	Foxboro E83 L-1HS10SIT Flow meter Vortex, Ref. No. 92520464, Used. 10.5-50 VDC, MWP 100 psi @ 100F, Material A296-CF3M, Temp limit 0-400F; 1.5 inch diameter; 4-20 mA signal	Very Good Jacksonville, IL
Vortex Flow Meter Asset ID: 1936 Endress Hauser	Endress Hauser vortex flow meter and transmitter. Model 72W with Prowirl W sensor and wafrer flange. Size 6 inch. Made to measure water flow. Graphite seal. 12-30 vDC, HART 4-20 ma signal. Intrinsically safe Class 1 Div 2 ABCD. Contact materials 316L stainless steel. Design pressure 21 bar (315 psig) and temperature	Unrated Indiana
Vortex Flow Meter Asset ID: 1937 Endress Hauser	Endress Hauser vortex flow meter and transmitter. Model 72W with Prowirl W sensor and wafer flange. Size 1/2 inch. Made to measure water flow. Graphite seal. 12-30 vDC, HART 4-20 ma signal. Intrinsically safe Class 1 Div 2 ABCD. Contact materials 316L stainless steel. Design pressure 21 bar (315 psig) and temperature	Unrated Indiana
Vortex Flow Meter Asset ID: 1938 Endress Hauser	Endress Hauser vortex flow meter and transmitter. Model Prowirl 200 sensor and wafer flange. Size 1 inch. Made to measure water flow. Graphite seal. 12-30 vDC, HART 4-20 ma signal. Intrinsically safe Class 1 Div 2 ABCD. Contact materials 316L stainless steel. Design pressure 21 bar (315 psig) and temperature. Serial numbers L3014516000 AND L1079216000. Qty (2) - priced separately.	Unrated Indiana
Vortex Flow Meter Asset ID: 1939 Endress Hauser	Endress Hauser vortex flow meter and transmitter. Model Prowirl 200 sensor and wafer flange. Size 3 inch. Graphite seal. 12-30 vDC, HART 4-20 ma signal. Intrinsically safe Class 1 Div 2 ABCD. Contact materials 316L stainless steel. Design pressure 21 bar (315 psig) and temperature. Serial number D90A0216000, order code 72W80-SK0AA1NAB4AW [Must verify size]	Unrated Indiana

Instrument/Flow Transmitter		2 Items
Flow Transmitter XP (DP) Asset ID: L214 Foxboro	Foxboro Differential Pressure Flow Transmitter with local readout with needle valves Model IDP10-T22B21F-M1L1. 3626 psi rating for explosive areas. Supply 12.5-42 vdc, Output 4-20ma. Calibrated for 0-150 in H20. Ref. # 05280484. For use with orifice plate	Used - Very Good Jacksonville, IL
Transmitter for Mass Flow Asset ID: S2301 Micro Motion	Transmitter for Micro Motion mass flow meter. Elite Model RFT9739E4SUJ, sn 7016467. 85-250 VAC, 50/60 Hz, ,Explosion proof.	Used - Good Jacksonville, IL

Instrument/Level Transmitter		4 Items
Level Switch, Ultrasonic Asset ID: S2405 Thermo Measure Tech	Thermo Measure Tech Sensall Accu-Point level switch, 5MGN6PST666GN00S, S/N 112372-3. Approx probe length 4 Inches, male NPT threads for insertion into coupling on tank. Input 115 VAC 50/60 Hz. Output 230 VAC/30 VDC.	Very Good Jacksonville, IL
Level Transmitter Asset ID: S1210 Foxboro	Foxboro Electronic level transmitter, 827DF-IS1NHSA1, Ref. No. 86N50387-1A2, 250 deg F max, 12.5-65 VDC, MWP 150 PSI, range 0 to 170 inches water (14 ft), 3" flange. Used	Good Jacksonville, IL
Level Transmitter XP Asset ID: L215 Foxboro	Foxboro Pressure Level Transmitter with local readout for explosive areas. Silicone interface 316L. Supply 12.5-42 vdc, Output 4-20ma. 07184443. ICP10-T22B21F-M1L1	Used - Good Jacksonville, IL

Level Transmitter, Radar Asset ID: S105 Vega	Vega Puls 65 (PS-65) radar level detector, RECONDITIONED. Quantity (1). Rod style radar transmitter - all wetted parts are PTFE. Range can be set up to 114 feet and accuracy to +/- 8mm (1/4 inch). Temp range -40 to 266F; 1.5" NPT, ANSI Flanges, 2 wire 4-20mA HART, measuring range 0-99'. Suitable for explosion proof environment Class I, Div II and dust environment Class II, Div 1. Reconditioned and Factory certified to be working to factory specs	Reconditioned Jacksonville, IL

Instrument/plc & HMI		2 Items
AB PanelView 900 Asset ID: H2007 Allen Bradley	Allen Bradley Panelview 900. Has 9 inch screen. Cat 2711-K9A2. Series F. Display is AC plasma monochrome 640 x 400 pixel resolution, it has 16 function keys with a keypad operator interface. Serial MK1LN91K, Operator Interface features a DH-485 communication port so the device allows connectivity with an SLC controller, a DH-485 network, a MicroLogix controller, or a Wallmount Power Supply. 100-240 vac 50/60 Hz. Display area 8.27 x 5.17 inches.	Used - Very Good Jacksonville, IL
Starter Panel Asset ID: X2037	Startwr and I/O panel. 51A	Unrated Mississippi

Instrument/Pressure Gauge		14 Items
Pressure Gauge & Vacuum 0-300 psi Asset ID: G11 Ashcroft	Ashcroft General Service pressure gauge Model 45-1010-A-02L-30IMV&300#. 4 1/2 inch dial, 1/4 inch NPT Lower connection, 0-300 psi & 0-30 in Hg vac. 2 available, priced separately.	New, Old Stock Jacksonville, IL
Pressure gauge 0-100 Asset ID: G14 Ashcroft	Ashcroft pressure gauge 2 inch dial. 0-100 psig, brass1/4 inch back connection	New, Old Stock Jacksonville, IL
Pressure gauge 0-15 psi Asset ID: G12 Ashcroft	Ashcroft pressure gauge 20W1005H 02L 15#. 2 inch dial, 1/4 inch NPT Lower connection, 0-15 psi	New, Old Stock Jacksonville, IL
Pressure gauge 0-160 psi Asset ID: G300 Ashcroft	Ashcroft 45-1279-AS-04B-160# Duragauge Pressure gauge. 4 1/2 inch dial, 1/2 inch NPT, Back connection, No fill (dry). 0-160 psig	New, Old Stock Jacksonville, IL
Pressure gauge 0-30 in Hg Vacuum Asset ID: G20 Ashcroft	Ashcroft Pressure gauge, 3 1/2 inch dial, 1/2 inch NPT Lower connection, Stainless Steel, 0-30 in. Hg vac.	New, Old Stock Jacksonville, IL
Pressure Gauge 0-30 psi Asset ID: G500 Ashcroft	Ashcroft 25W1005 H 02B 30#. 2 1/2 inch, 1/4 in NPT Back mount, 0-30 psi	New, Old Stock Jacksonville, IL
Pressure gauge 0-30 psi Asset ID: G13 Ashcroft	Ashcroft pressure gauge 0-30 psig. Brass 1/4" male NPT.	New, Old Stock Jacksonville, IL

Pressure Gauge 0-300 psig Asset ID: G200 Ashcroft	Ashcroft 45-1379-AS-02B-300# Duragauge Pressure gauge. 4 1/2 inch dial, 1/4 inch NPT, Back connection, No fill (dry). 0-300 psig. Qty (2) available, priced separately.	New, Old Stock Jacksonville, IL
Pressure Gauge 0-60 psi Asset ID: G19 Ashcroft	Ashcroft Receiver Gauge 45-1279-AS-04L-LL-60#. 1/2 inch NPT Lower connection, Plus! Performance, 0-60 psi.	New, Old Stock Jacksonville, IL
Pressure Gauge 0-600 psig Asset ID: SJ208 Anderson	Anderson pressure gauge - NEW, in box. Range 0-600 psig, glycerin filled, 2 inch NPT connection. Model EL08201044111A, S/N 0920989. Quantity (2) - priced separately.	New, Old Stock Jacksonville, IL
Pressure Gauge, 0-160 psi Asset ID: 6057 Spirax Sarco	Spirax Sarco pressure gauge, 0-160 psi, 1/2 NPT Pressure gauge. New in box. Open box, old stock. 30604862/240610. Made in EU	New, Old Stock Jacksonville, IL
Pressure Gauges, Lot of 4 Asset ID: 6088 Trerice	Lot of 4 used Pressure Gauges. All 4 inch face • Trerice pressure gauges (Qty. 2) 0-200 psi, 316ss tube and socket • Trerice pressure gauge 0-100 psi, 316ss tube and socket • 3D Accu-Drive pressure gauge, 0-100 psi, 316 ss socket, Inconel X-750	Used - Very Good Jacksonville, IL
Pressure Gauges, Lot of 7 Asset ID: 6085 Ashcroft	Lot of 7 used pressure gauges. Ashcroft Duragauge plus! - 4 inch face. 0-160 psi. AISI 316 tube and sockets. Priced for the LOT	Used - Good Jacksonville, IL
Pulsation Snubber Dampener Asset ID: G15 Ashcroft	Ashcroft Pulsation Snubber 1/2 - 1112 SG. Used for dampening and filtering. 1/2 inch, Stainless Steel, Porosity G - for use with air, steam, and gases. 2 available, priced separately	New, Old Stock Jacksonville, IL

Instrument/Pressure Transmitter		**7 Items**
Pressure Transmitter Asset ID: S1201 Foxboro	Foxboro Pressure Transmitter, 841GM-BI1, Ref. No. 90F34640-8A6, 12.5-36 VDC output, MWP 100 PSI. Used.	Good Jacksonville, IL
Pressure Transmitter Asset ID: S2302 Foxboro	Foxboro Pressure Transmitter 821GM-DK1NM2, Ref No. 92480188; Used. MWP 150 PSI, supply voltage 12.5-42 VDC; 4-20 ma Output Measures pressure and transmits a proportional electrical signal.	Used - Good Jacksonville, IL

Pressure Transmitter Asset ID: S2303 Foxboro	Foxboro IGP10-020D1F-M2 Gauge Pressure Transmitter, Ref. no. 98134439, MWP 300PSI. Input 12.5 to 42 VDC, output 4-20 ma. 4 ma = 0 psi, 20ma = 100psi. Used.	Very Good Jacksonville, IL
Pressure Transmitter Asset ID: 7316 Rosemount	Rosemount 3051 CD1A02A1AH2B1E5M5. 2000 psi pressure transmitter. S/N 1453072	Used - Good Jacksonville, IL
Pressure Transmitter XP Asset ID: L201 Rosemount	Rosemount Pressure Transmitter with local readout. 150 psi rating for explosive areas. Supply 10.5-55 vdc, Output 4-20ma. Calibrated for 0-10 psig. Rosemount 3051 with HART protocol. TG2A2B21AB4M5 S/N 1603634.	Used - Very Good Jacksonville, IL
Pressure Transmitter XP Asset ID: L218 Rosemount	Rosemount 3051 pressure Transmitter with local readout for explosive areas with Hart protocol. Output 4-20 ma. S/N 1594345 2B21AB4M5. 30 psi	Used - Good Jacksonville, IL
Pressure Transmitter XP Asset ID: L248 Foxboro	Foxboro pressure transmitter, rated for explosion proof environments Cl 1 Div 1. Model IDP10-T22A21F-M1L1. Ref # 05390388. Supply 12.5 - 42 vdc, max psi 3626. Calibrated for 0 - 15: H2O. HART protocol.	Used - Good Jacksonville, IL

Instrument/Temperature Transmitter		7 Items
Temperature Probe RTD Asset ID: 2452 Weed instrument	Weed Instrument temperature RTD Model 7E40A1/4150 Temp. probe up to 550F, (used)/ 1/4 probe x 12 inch long. With Crouse-Hinds head enclosure (1/2 CUAB 16). We have thermowells for these RTD's - sold separately. See thermowell asset number 1753. Quantity (32) - priced separately.	Used - Good Jacksonville, IL
Temperature Transmitter Asset ID: 6109 Foxboro	Foxboro Temperature Transmitter RTT15-T1FLOTXF 0-300 degrees with Thermowell ANSI B16.5 2" 150#. S/N 08264716. Used	Used - Very Good Jacksonville, IL
Temperature Transmitter Asset ID: 6081 Foxboro	Temperature Transmitter - Foxboro micro processor based Temperature transmitter. Model RTT15-T1FSQTXF S/N 07390755 Range 0-200F. With Flanged Thermowell A/SA182F316/316L 2 x 150 BLRF B16.5 NACE SF7168. Unused NEW Old stock	New, Old Stock Jacksonville, IL
Temperature Transmitter XP Asset ID: L231 Rosemount	Rosemount Temperature Transmitter for explosive areas. Supply 12-42.4 vdc, Output 4-20ma. Rosemount 3144P D1A1NAB4 S/N 0532711. Explosion proof Class 1 Div 1. 4 wire, 0 to 1000F	Used - Good Jacksonville, IL
Temperature Transmitter XP Asset ID: L220 Rosemount	Rosemount Temperature Transmitter for explosive areas. Supply 12-42.4 vdc, Output 4-20ma. Rosemount 3144P DIAINAP4 S/N 0506717. 2 wire 0 to 1000F	Used - Good Jacksonville, IL

Temperature Transmitters (2) Asset ID: 6123 Foxboro	Lot of 2 used Foxboro RTT15 Temperature Transmitters. 0-200F Qty available (2) - priced separately • Foxboro RTT15-T1FSOTXF S/N 07390754 0-200F with Thermowell SA182 316/316L 2 x 150 BLRF B16.5 NACE SF7168 • Foxboro RTT15-T1FSOTXF S/N 08121943 0-200F with Thermowell SA182 316/316L 2 x 150 BLRF B16.5 NACE MR0175 SF798B	Used - Very Good Jacksonville, IL
Thermowell Asset ID: 1753	Thermowell stainless steel 316 for 1/4" RTD probe. 3/4" FNPT and 1" MNPT x 9 inches long. Used. Fits the RTD we have for sale as asset number 2452. Qty (5) - priced separately	Used - Excellent Jacksonville, IL

Lab — 8 Items

Constant Temperature Bath Asset ID: X2028 Polyscience	Polyscience constant temperature refrigerated circulator. Low Profile. (-20C to 135 degree C) with temperature stability +/- 0.07 degree. Reservoir 7 liters (1.85 gallons). 120v. Refrigerant 134A. (215g) Serial 2C17802259. PolyScience Circulating Bath with MX Temperature Controller. It is intended for the precise temperature control of suitable liquids in a reservoir. Extremely easy to use and maintain, it combines design innovation with highly intuitive operation to deliver convenient and versatile liquid temperature control for a wide range of applications. Programmable controller.	Unrated Mississippi
Lab Refrigerator Asset ID: M16 Marvel Scientific	Marvel Scientific Refrigerator Model 3RWWR, S/N 20130912109H	Used - Good Morristown, IN
Moisture Analyzer Asset ID: 2063 Radwag	Radwag moisture analyzer Model MA 50.R. Maximum capacity 50g, heating with IR emitter. Repeatability +/- 0.05% and can read moisture content down to 0.001%. Power supply 100-240 vac 50/60 Hz. Consumption 450W. Physical size 470x380x336 mm, weight 4.8kg	Used - Good Northern US
O2 Analyzer Asset ID: S3205 Mettler Toledo	Mettler Toledo InTap 565 portable dissolved oxygen analyzer. Used. Unit powers up and analyzes. Believe it all works fine but have not tested - just needs calibrating by user	Used - Fair Jacksonville, IL
Precision Balance Asset ID: M12 Mettler Toledo	Mettler Toledo Precision Balance Model AB104-S/FACT, S/N 1127392477. The Mettler Toledo AB104-S/FACT Analytical Balance is ideal for piece counting, percent weighing, dynamic weighing, or free factor use. Weight output can be read as g, kg, mg, carat, etc. Max capacity 110 g, readability 0.1 mg. Has glass draft shield with sliding doors. See brochure in Links.	Used - Good Morristown, IN
Testing Sieve Asset ID: O18 Seedburo Equipment Corp.	Seedburo Equipment Corp U.S. Std testing Sieve ASTM specifications. #325 CAT 325BB8F 8 inch diameter. Full height, Brass mesh & frame. Opening size 0.0017 inches nominal size (0.045mm).	New, Old Stock Jacksonville, IL
Turbidimeter Asset ID: M15 Hach	Hach Laboratory Turbidimeter Model TL2300, tungsten lamp turbidimeter. S/N 2018050C0189. See brochure in Links.	Used - Very Good Morristown, IN
Water Bath Asset ID: M21 Revolutionary Science	Water Bath - Poly ProBath Model RS-PB-100 S/N 062411E4	Used - Very Good Morristown, IN

Lab/Chromatograph & Mass Spec — 1 Items

Gas Chromatograph (2) Asset ID: 5538 SRI Instruments	Two SRI Instrument Gas Chromatographs. Model 8610C. Recently serviced by SRI - Oct 2019 (spent $1,000 each on them to get tuned up to specifications). They have been idle since then. Can hold up to six detectors and five injectors, ambient to 400C temperature programmable column oven. Dimensions: 19"W X 13.5"H x 14.5"D. Most versatile and popular model of SRI GCs. Ambient to 400C column oven. We will provide crates for each and protect for shipping. Will include a few spare columns we still have, and the computer that drove this (no monitor). Qty (2) - priced separately but we offer 15% discount on total if both are purchased.	Used - Excellent Missouri

Lab/Grain Tester		1 Items
Grain Tester Asset ID: X2107 Mid Continent Industries	Grain tester - MCI Kicker. Simple to operate - start the system, pour in sample, wait 30-45 seconds for analysis.. The MCi Kicker is designed to provide a fast, accurate and consistent way of obtaining the following separations from most grains: shrunken & broken, overs/scalped material, clean grain, broken kernels, splits, aspirated material, dockage or FM and greatly reduces hand picking of Soybeans. Sizing operations for malt , sunflowers, food grains, and barley are also possible. The Kicker can generate these separations in approximately 30-45 seconds, depending on the sample size. These separations can then be weighed and calculated to provide you with the correct dockage or FM as well as the Shrunken and Broken Kernels or Splits. Serial number GTJ0708070M. See Manual	Unrated Mississippi

Material Handling		6 Items
Compressor Oil Gas & Process Asset ID: B2096 Atlas Copco	Gas & Process Fluid VG 32 compressor oil, Atlas Copco PN6970390628 fill date March 5, 2021. NEW 55 gallon drum. Only one barrel remaning.	NEW Peoria, IL
Compressor Oil Turbo Asset ID: B2095 Atlas Copco	Atlas Copco compressor oil, Turbo Oil Plus, PN6970298402, VG46 55 gallon drums. Fill date was Mar 26, 2021. New. Qty (8) - priced separately	NEW Peoria, IL
Cyclone 10' dia Asset ID: CYVM-11	Cyclones approx 10 ft dia x 39 feet tall. There are (4) of these, priced separately - same design but two are opposite handed. Includes a header for a set of twor.	Used - Good Vicksburg, MS
Drums, Stainless Asset ID: 2051	Stainless steel drums. Approx 11 drums with reinforcing bands, and 16 drums without reinforcing band. Quantity (27) - priced for the LOT. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Excellent Northern US
Preseparator Asset ID: VK-2026 GEA Barr Rosin	Preseparator 45" x 84". Overall Physical size approx 14' 4" wide x 18' 10" deep x 27' 4" tall. Weight 19,000 poundsr.	Used - Good Vicksburg, MS
Screener Asset ID: SR-1611 Mitchell	Corn screener by Mitchell. 48" x 96 inches designed to handle 8,000 bu/hr. Screen is 5/8" x 5/8" x 0.250 wire. Rotary drum driven by 2 HP motor.	Used - Good Vicksburg, MS

Material Handling/Biomass Handling	1 Items

Biomass Bale Handling & Grinder System Asset ID: 1710 West Salem Machinery	**Biomass Bale Handling System** • 4 infeed processing lines for bulk bale handling and grinder plus silo and baghouse • Bale size was 3' x 4' x 8' long - processed in modules of 6 (2 bales wide x 3 bales high. • Capacity 465 tons/day x 4 lines - 1,860 TPD. Each line can hold 2 trucks worth of bales prior to the singulator (150 tons total (288 bales). Each line includes automatic singulation, de-stringing, coarse chop of bales, hydraulic power pack, and then grinders. The silo collects "fines" from the operation for disposal. This system fed an ethanol plant, and a biomass boiler/cogeneration system. Ideal for both. Grind size was <1" but screens can be changed to modify grind size. The biomass handling equipment would work perfectly in preparing biomass for a pelleting operation, or for burning in a biomass boiler from the included silo. Or this could be entirely repurposed to your need. Built 2013 - in very good condition. The general layouts and general description of this equipment are attached as links for more detailed information. This system has been removed except for the silo/baghouse system. • See links for drawings and description. • See video of system in links - biomass system starts at 0:57 second mark.	Used - Very Good Kansas

Material Handling/Fork Lifts & Hoists		8 Items
Chain Hoist 10 Ton Asset ID: B2073 Chester	Chester 10 Ton Chain Hoist with trolley, manual. Model Zephyr, SN ZLG-7176. NEW, Old Stock. Low headroom trolley hoist. Approx size for shipping 29" x 50" x 36" high	New, Old Stock Peoria, IL
Chain Hoist 10 Ton Asset ID: B2074 Chester	Chester 10 Ton Chain Hoist with trolley, manual. Model Zephyr, SN ZLG-7175. NEW, Old Stock. Low headroom trolley hoist. Approx size for shipping 29" x 50" x 36" high	New, Old Stock Peoria, IL
Hoist 10 ton Asset ID: VK-2003 Harrington	Harrington hoist, rated 10 ton. Model 70SY7644. Sn122450. Pendant control. Includes travel motor and hoist motor. Beam not included. Last inspected 5/31/2018. Used as east centrifuge hoist. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Used - Good Vicksburg, MS
Hoist 5 ton Asset ID: VK-1999 Harrington	Harrington 5 ton chain hoist serial number 184897. Electric with pendant. Last inspected 5/31/2018. Used in wet grind. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Used - Good Vicksburg, MS
Lift Truck, Straddle Manual Asset ID: B2070 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 035476. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 40" x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock Peoria, IL

Lift Truck, Straddle Manual Asset ID: B2067 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 030399. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 40" x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock Peoria, IL
Lift Truck, Straddle Manual Asset ID: B2068 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 030400. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 40" x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock Peoria, IL
Lift Truck, Straddle Manual Asset ID: B2069 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 030327. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 40" x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock Peoria, IL

Material Handling/Hoppers & Weigh Scales		3 Items
Base with Load Cells Asset ID: AF3 Sartorius	Steel machine base with 3 load cells at 120 degrees apart. Base dimensions 80" x 80" on legs 28" tall. Construction is carbon steel 6" I-Beams. Load cells are Sartorius Type PR6011/30N by Sartorius Mechatronics, made in Germany. Rated at 10,000 kg each. New name Minebea Intec PR6011/30N. See dataweigh.com and brochure in Links.	Used - Fair Illinois
Hopper 590cf Asset ID: AF7	Hopper feeder with screw conveyor under (see asset F5). Carbon steel. Hopper size 122" x 122" x 41" deep with 45 degree slope 52" deep to flanged outlet slot. Approx capacity 590 cu ft. On legs 11 ft long for OAH approx 18.75 ft. Has bin vibrators on side and VibraRod vibratory level sensor on top. Closed top with approx 18" round inlet to accept drop from conveyor or feed.	Used - Good Illinois
Weigh Scale Asset ID: SC-1611	Weigh Scale. Upper garner, scale, lower garner. Hydraulic power pack 5HP for knife gate valves on both garners and scale hoppers. Still installed, removal extra.	Used - Good Vicksburg, MS

Material Handling/Mills & Hammermills		5 Items
Fine Grind Air Swept Mill Asset ID: 2037 Stedman	Stedman fine grind air swept mill, Model Micro Max 5400. Carbon steel. Designed for 5-7 tons/hr of Hi-Cal limestone, feed size 3/8". Output was set at 200 mesh. Sometimes got to 300 mesh. Chamber approximate 55" diameter. Double rotor. Serial no. MM010. Driven by 400 HP motor 3/60/460v 1790 rpm. **Comes with 400 HP soft start**	Used - Good Illinois
Grinding Mill Asset ID: 7770 Sweco	Used Sweco model M60MS Vibro-Energy grinding mill. 62" diameter X 3' high grinding chamber with 316 stainless steel liner and solid 316 stainless steel cover. 2" product discharge. Heating or cooling panels between inner and outer shell. 10 HP, 3 phase, 60 cycle, 460 volt motor.	Used - Good New Jersey
Hammermill Asset ID: X2103	Hmmermill, no motor	Unrated Mississippi

Hammermill 350HP Asset ID: 5636 Champion	**CHAMPION 48x38 STANDARD HAMMER MILL 350HP###** • Two units available (priced separately) • Standard features include: Gravity bottom discharge, Sliding door design each side, Dynamically-balanced rotor, Alloy steel rotor shaft, Abrasion resistant wear liners. Flexible motor coupling, Inboard and outboard bearings, Screen carriage, Regrind chamber, One four-row set of Champion Diamond 1/4" x 8-3/16" swing hammers, •1-1/4" 4140 hardened hammer pins, Trapped key interlock electro-mechanical door locks, Bearing Temperature Probes, • Air Operated Flow Director with Position Indicators. Includes double acting air cylinder and solenoid operated directional control valve, Includes proximity sensors to indicate flow director position, Sensors rated at IP67; ATEX certified, Operating voltage 20-250 AC/DC, Minimum air requirement:100 PSI/40 CFM • 350 HP 3/60/460/1800 Cl II Gr G Div 1 Motor • CHAMPION HRF48 ROTA'FEEDER Standard features for Rotafeeder include: Stainless steel housing, Self-cleaning molded urethane pockets, Magnum series swing-out magnet, Quick-cleaning, air-operated SS stripper plate, Air inlet with sliding gate, Tramp catch bag, 1.5 HP Cl II Gr G 50 or 60 cycle inverter duty motor and drive, with guard	Used - Excellent Kansas
Wood Grinder Asset ID: 7444 Arasmith Mfg	**Wood Grinder** Arasmith MFG. Co. - Service No. 34.30.HH.1517.596 14.HT.2ADW/8 HAS2 • Infeed opening 30" x 18" • Powered by 100 HP Lincoln AC Motor, TEFC Energy Efficient, RPM 1765, Frame 405T, Volts 230/460, Amps 226/113, 3 Phase, 60 Hz • Safety switches on all guards and doors to shut the machine off and not allow to turn on when guards or inspection doors are opened. • Wood Grinder has been reconditioned and owner says it is in great working condition. Customer will have to make that decision. We are selling As Is Where Is. • This grinder was being used to make mulch.	Reconditioned Illinois

Material Handling/Rolling Stock		1 Items
Flatbed Trailer Drop Deck Asset ID: AF98 Utility Trailer Corp	Semi trailer - Drop deck trailer for semi truck. Mfg by Utility Trailer Corp in 1983. Length 45 ft x 96" wide. GVWR 90,000 pounds. VIN 1UY FS2448 EA9783 09.	Used - Good Illinois

Material Handling/Rotary Valves		5 Items
Rotary Valve (2) 20" Asset ID: RV-5202 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 20" x 20" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 2 HP motor 460/3/60 at 25 rpm. Used as RVAL-12 A and RVAL-12B under cyclone screw conveyor. Quantity (2) priced separatelyr.	Used - Good Vicksburg, MS

Rotary Valve 14" Asset ID: RV-5207 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 14" x 14" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 110F. Driven by 1 HP motor 460/3/60 at 29 rpm. Used as RVAL-32 under baghouse.	Used - Good Vicksburg, MS
Rotary Valve 18" Asset ID: RV-5206 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 18" x 18" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 110F. Driven by 1.5 HP motor 460/3/60 at 24 rpm. Machine number 45RVSISA6B, ser num 52964. Used as RVAL-13 under fluid bed dryer.	Used - Good Vicksburg, MS
Rotary Valve 24" Asset ID: RV-5204 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 24" x 24" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 3 HP motor 460/3/60 at 25 rpm. Used as RVAL-13 under cyclone screw conveyor.	Used - Good Vicksburg, MS
Rotary Valve 30" Asset ID: RV-5201 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 30" x 30" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 3 HP motor 460/3/60 at 18 rpm. Machine number 75RVSISA6B, Type 39577, ser num 52964. Used as RVAL-11 PreSeparator airlock.	Used - Good Vicksburg, MS

Material Handling/Telehandler Lull — 1 Items

Telehandler Lull 944E-42 Asset ID: 1950 JLG	**JLG telehandler Lull** (zoom boom). Ser number 0160057653. See spec sheet and manual in Document link below. • Rated capacity 9,000 lb • Maximum lift height 42 feet • Forward reach 35 feet • Cummins QSB4.5T Turbo Diesel • 4 speed forward, 3 reverse • Full time 4-wheel drive, tires air filled • Hours 10,850 (Photo shows 1350 and original meter was changed out at 9500)	Used - Good Indiana

Misc — 2 Items

Ball Bearing Asset ID: O15 Rollway	Rollway Ball Bearing 6208NR. Radial/Deep Groove Ball Bearing-Round Bore, 40 mm ID, 80 mm OD. New - in box. New, old stock. 3 available, priced separately.	Unrated Jacksonville, IL
Throttle screw insert Asset ID: O46 Bosch	Rexroth Bosch 0821201106 Throttle screw insert, pneumatic replacement part. (2) available, priced separately	New, Old Stock Jacksonville, IL

Mixers/Blender — 1 Items

Ribbon Blender, Double 155 cf Asset ID: 2044 Gurdin	Chuck Gurdin double ribbon blender mixer, stainless steel. Insulated. Also comes with load cells scale. Speed adjustable with VFD. Capacity 155 cu ft. Approx size 55" x 168" long x 90" tall. Drum dimensions 44" wide x 120" long x 53" high. Driven by 25 HP motor 1755 rpm with Dodge gear reducer. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

Mixers/Paddle Mixer		2 Items
Paddle Mixer, Double Asset ID: X-5208 GEA Barr Rosin	Twin shaft paddle mixer, stainless steel. GEA Barr Rosin . Bed/Mixer size 68" wide x 26' long, Overall physical dimensions 36' 8" long x 8' wide x 9' 6" tall. Belt driven by 125 HP motor 1800 rpm frame 444T 460/3/60. Gearbox ratio 43:1 (885 rom to 21 rpm). Shaft rotational speed 21 rpm. We have drawing, available on request.	Unrated Vicksburg, MS
Paddle Mixer, Single 36" dia Asset ID: X-5207 GEA Barr Rosin	Single shaft paddle mixer. GEA Barr Rosin 36" bed/mixer x 26 ft long x 32 ft OAL. Driven by 75 HP motor 1770 rpm 460/3/60. Belt drive 3-groove for reducer ratio 43.5 for output 40 rpm. Overall dimensions approx 3 ft wide x 32 ft long x 4'8" tall. We have the drawing for this paddle mixer - available on request.	Unrated Vicksburg, MS

Office/Ink & Toner		1 Items
Toner Cartridge Asset ID: 1299 Katun	Toner Cartridge - Minolta DI-450/470/550 Katun Performance - 8936-902 Black (Copier)	Unrated Jacksonville, IL

Packaging		7 Items
CD Case Feeder Asset ID: E2363 EAM	CD Case Feeder; pneumatic on turn table; Manufactured by EAM	 Jacksonville, IL
Chain Wheel Sprocket, Labeler Asset ID: O50 Krones	Chain Wheel / Sprocket 0002091838 1-703-29-038-0 for Krones labeler	New, Old Stock Jacksonville, IL
Dyna Pack (Hot Glue) Asset ID: 6150 ITW Dynatec	ITW Dynatec, Dyna Pack (Hot Glue), 4-line capability currently equipped w/ two (2) programmable heads (6 ft hose, Part # N2306, Serial No. 93468, 230 Volt), TPC-9 controller, Model No. 114231, S.N. 281382, 120-volt 6 Watt (adjustable delay, length of bead, skip, repeat). Was bought new in 2013	Used - Very Good Illinois
Reject Station Asset ID: E2360 Prox switch	Reject Station: Includes Proximity Switch, Air Knife, control box, and tripod stand on wheels - triggers a switch when metal is in close proximity. Last used to detect if CD's were in cases. If a CD was in the case, it would be blown off the line. Includes stand.	 Jacksonville, IL

Reject Station Proximity Switch Asset ID: E2361 Turck	Reject Station: Includes Proximity Switch, Air Knife, control box, and tripod stand on wheels - triggers a switch when metal is in close proximity. Proximity switch is Turck BC20-Q20-AN4X2. Last used to detect if CD's were in cases. If a CD was not in the case, it would be blown off the line. Includes stand. Qty (5) of these available, priced separately	 Jacksonville, IL
Shrink Tunnel Asset ID: E2355X Weldotron	Weldotron heat tunnel - Model 7121 S/N FW93271, 220 V, 35 amps, 1 Phase; Motor: 115V, 1 phase, 0.75 amp, 1/15 HP. Dimensions: 74"L x 34"W x 61"H. Tunnel passage width: 16" and height: 8". Versatile shrink tunnel designed to produce complete, uniform shrink on a wide range of product sizes and shapes.	 Jacksonville, IL
Washers Asset ID: O35 Krones	Krones Foam Washers 1-099-51-076-0 Sold as a Lot of 25	New, Old Stock Jacksonville, IL

Packaging/Bag Inserter — 1 Items

Bag Inserter Asset ID: 5978 Pearson	Pearson bag inserter - uses poly roll bags. Built 2001. Set up for 50# cube 12" x 12" x 12" box but can be adjusted. Built 2001. Believed to be Model BI-18. Size range L 9.5-24", W 9.5-17", H 10-24". Serial number 200119289647, 3HP 460/3/60. Built 2001. Idled early 2017. Pearson BI18 Bag Inserters open, insert, and cuff plastic bags from roll stock into a wide variety of corrugated cases at speeds up to 18 cases per minute. Equipped with bag opening carriage with vacuum cup assist, four corner cuffing rods and single head bag inserting head, PLC controller, vacuum pump, safety guarding and e-stop. Inserts pre-performed roll stock or gusseted bag stock into cases, filling all corners and cuffing the bag around the outer perimeter. Has a 36" web width with a 1-1/2" diameter spool. Has an Allen Bradley SLC 5/01 PLC. Advanced design features guarantee smooth and precise bag placement and handling. Removed, stored, ready to ship. Part of a complete 50# cube filling line. For a list of all components for this line - enter "5976cube" in search box.	Used - Very Good Jacksonville, IL

Packaging/Case Erector — 1 Items

Case Erector Asset ID: 5977 Pearson	**Pearson Case Erector** Automatic case erector for knock-down (KD) cases with magazine and hot melt bottom glue system. • Model CE-235 serial 200102359572, machine number 9572 • Rated speeds up to 35 cases / minute. • Was erecting KD cases for 50# cubes 12" x 12" x 12" but can be adjusted. • Case size range: Can adjust to handle cases from 5 to 30" long, 5.5 to 16" wide and 3.5 to 24" tall • Driven by 1.5 HP motor 460/3/60 • In warehouse - ready to load Part of a complete 50# cube filling line (Asset 5976) but will be sold separately. Entire line idled in 2017. Removed, stored, ready to ship. For a list of all components for this line - enter "5976cube" in search box. …..	Used - Very Good Jacksonville, IL

Packaging/Case Sealer — 2 Items

Case Sealer Uncuffer Asset ID: 5980 SV Dice	Case bag uncuffer and sealer. Model PDUC-UFC, sn 4374. Uncuffs poly bag from 50# cube box, folds bag in, tamps it down, and seals top with hot melt glue. Missing hot melt unit and plc from control panel - manufacturer still supports this machine. Part of a complete 50# cube filling line. For a list of all components for this line - enter "5976cube" in search box.	Used - Fair Jacksonville, IL
Case Sealer/Taper Asset ID: 6155 Loveshaw Corporation	Case Sealer/Carton Taper, The Loveshaw Corporation, Model 304/19, S.N. 159183300, 110 Volt, 9.6 Amp. Top & Bottom Sealing Heads, 2 in. x 6 ft. Side Pull Belts, Product Loading “anvil”, unit currently has Lincoln Coder, Model 90-2L-I	Unrated Illinois

Packaging/Coder		**1 Items**
Ink Jet Coder Asset ID: 6158 Videojet	Videojet 1550 (#3), Ink Jet Coding Machine, EXCEL Format, 120/240 Volt, 1Ph., 3 Amp, Serial No. 1404109C29ZH, Part No. 39582-793-01, w/infrared Fiber Optic Photocell (proximity), O.E.M. Mobile Stand, O.E.M. Static Printhead Stand. Running.	Unrated Illinois

Packaging/Complete Line		**1 Items**
50 lb Cube Filling Line - stainless Asset ID: 5976	Filling line for 50lb cube boxes - stainless steel filler last used for margarine filling. Can be adjusted for other size boxes down to 25 lb. This is an automatic line. Control by Allen Bradley Control Logix plc (filler will have to be re-programmed. Can also be used for shortening filling. Rate was between 5 to 8 cases per minute depending on viscosity (if filling 50# boxes, rate would be 24,000 #/hr). Includes Pearson case erector for KD cases, Pearson bag inserter using roll bags, stainless 2-spout filler on Mettler Toledo load cells, and SV Dice uncuffer case sealer (missing plc and hot melt unit). Includes interconnecting conveyors. Line built 2001 - ran until early 2017. Stored in warehouse, ready to load. See marketing flyer. We have a dimension drawing for all major pieces. (5976Layout.pdf). For a list of all components for this line - enter "5976cube" in search box.	Used - Very Good Jacksonville, IL

Packaging/Filler - Fluid		**3 Items**
Filler - 4 Head Stainless Asset ID: 7621	Bulk viscous material filler - 4 head. For viscous material including shortening and margarine. Stainless steel filler with controls, load cells, and 4 conveyors. Uses 4 Mettler Toledo load cells - controls included. Has 6 automatic ss valves, and 4 conveyor sections on load cells. Can also fil, 25# cube boxes, 50 # cube boxes, 5 gallon (35 lb) pails, 25 kg boxes. Could be adapted for gallon and 1/2 gallon containers and smaller. Stainless so can be used with margarine, butter, or any other viscous product. Ladder logic control included - paper & electronic. Filler control panel measures 3 ft x 7 ft x 1 ft deep. Will have to be reprogrammed. In warehouse - ready to load	Used - Very Good Jacksonville, IL
Filler, Viscous Fluid Asset ID: 5942	Filler for 50# cubes - 2 heads. Stainless steel, automatic valves, extrusion valve for shortening or margarine. Two load cells Mettler Toledo, Model IND131, Max load 50kg. Controlled by Allen Bradley touch screen Panelview 1500. Has Allen Bradley Compact Logix plc. Will require re-programming of the logic. Includes Little David Microjet coder and Diagraph IV700 case coder. Capacity 5 to 8 cases per minute depending on viscosity. This is a weigh filler controlled by Mettler load cells. Last used to fill boxes of margarine (12" x 12" x 12") but can handle any viscous fluid. Part of a complete 50# cube filling line. Built 2001. Idled early 2017. Removed, stored, ready to ship. For a list of all components for this line - enter " 5976cube " in search box.	Used - Very Good Jacksonville, IL
Pail filler, Liquid - Stainless Asset ID: 7622 Neupak Weigh Master	Neupak Weigh Master Pail Filler, serial # M65301. 2 nozzle Neupak Weighmaster filler for viscous liquids, stainless steel piping and nozzles. Was last used for filling 5 gallon shortening pails but can handle other size pails or boxes. Controls included	Used - Very Good Jacksonville, IL

Packaging/Metal Detector		3 Items
Metal Detector Asset ID: 2027 ThermoFisher Scientific	**ThermoFisher Scientific Apex 500 metal detector** • Designed for carton measuring 25 inches long x 14 inches wide x 6 inches tall • Aperture is larger than this pouch size and can handle bags up to 22 inches wide. Original pouch contained corn flour at 55 pound • Includes plastic modular belt conveyor • Has alarm bell for reject • Travel of conveyor is 105 ft/min (about 5 containers per minute). Conveyor belt width is 18 x 84 inches long, rails to 22 inches • Controls and detector 115v, conveyor motor 460v 3/60. • Overall length approx 7 feet. Serial number 11093504A. This detector was originally part of a complete 50 lb bag filling line.	Used - Very Good South Dakota
Metal Detector Asset ID: 6152 LOCK Inspection Systems	LOCK inspection Systems, Met 30+, 3 1/2 in. x 14 in. aperture mounted on conveyor last used with a V/f/f/s machine. Conveyor is 12 in x 10 ft. long horizontally-transitioning to 68 inch long incline where the metal detector is located. Intralox modular conveyor belt. Horizontal section is 6 inches above floor and raises to discharge height of 40 inches. Currently using 1.5 MM NFe, 1.2 MM Fe, 2.0 MM SS	Unrated Illinois
Metal Detector Asset ID: 5072 Eriez Manufacturing Co.	Eriez Flow Through Metal Detector. Model EZ-DSP7.25LPVR, Style 9911198. Serial #191777 Approximate 6” diameter tube with diverter valve. Mounted on a stainless steel frame	Unrated Illinois

Packaging/Vertical Form Fill		3 Items
Bartelt Form Fill Seal Packager Asset ID: 6125 Bartelt HMC	**Bartelt Form Fill Seal Packager** • Model RH IM 7-12 (7 inch-12 station) w/All Fill B 350E auger filler • E.M.P. registration control unit • Equipped with side seal embossing and mechanical hole punch • Machine No. 580 It has the position for a second filler head. We have run an additional auger filler in that position as well as a volumetric filler in that position. Tear notch and various types auger tooling setups also available separately. Choose from 2 in., 3 1/2 in., 4 in., or 6 in. bag clamps. Very reliable packager. 3 phase 208-220/440 VAC. Selling because of production shut down.	Used - Very Good Illinois

Bartelt Form Fill Seal Packager Asset ID: 6126 Bartelt HMC	**Bartelt horizontal form, fill, and seal Packager** • Model RH IM 6-7 (6 inch-7 station) w/B Filler • Tritronics registration unit (Color Mark II, Model CMS 2B) • Last ran 60 packages per minute on 1-gram fill • Machine No. 336 Smooth/quiet running machine. 3 phase 208-220 VAC. Selling because of production shut down. Price includes loading on your truck - crating extra. Auxiliary equipment such as embossing and various types auger tooling setups available separately.	Used - Very Good Illinois
Vertical Form Fill Machine (2) Asset ID: 1085 Prodo-Pak	**TWO Like New Vertical Form Fill & Seal Machines (VFFS)** by Prodo-Pak. Tested - never used in production. VFF. Selling as a LOT • LINE 1: One Model 4S 3P 320 line 3-lane with Laser etching printer. Fill rate at 150 to 180 pouches/minute. Size 7.5 ft x 7.5 ft x 9 ft tall 5,000 pounds • LINE 2: One Model RV 165 CSW 10 line 10-lane with Laser Jet 3340 printer. Fill rate at 500 to 600 pouches/min. Serial # 8293, unit size 7 ft x 9 ft x 90 inches tall 3,000 pounds. • Fill volume 1.0 to 3.0 ml. Pouch width 1.5 inches, pouch length 3.0 inches • Both lines were set up for filling semi-viscous gel products 1,000 to 5,000 centipoise into four sided seal pouches. Last used for hand sanitizer packets or sachets. EACH Line has the following additional pieces: • Pump skid 80 inch x 48 inch x 60 inch tall 600 pounds • Video Jet laser printer 7 ft x 7 ft x 77 inch tall 700 pounds. • Video Jet fumes extractor 4 ft x 4 ft x 5 ft tall 300 pounds. See LINKS for specifications for each line.	Like New New Jersey

Pilot Plant		**2 Items**
Crystallizer Asset ID: 2078 Cottor Plants (India)	Crystallizer Pilot plant size NEW. Size 384 mm dia x 460 straight side with 45 degree cone. Atmospheric tank, stainless steel 304 construction. Top is open type with a removable cover. Tank has jacket for thermal fluid heating and internal "birdcage coils" for chilled water. Top entering agitator with 3 sets of flat blades. Driven by 0.5 HP motor at 1:100 ratio for output rpm 15-20. Vessel is New, never used	NEW College Station, TX
Neutralizer Asset ID: 2077 Cottor Plants (India)	Neutralizer. Pilot plant size NEW. Size 384 mm dia x 460 straight side with 45 degree cone. Atmospheric tank, stainless steel construction ss304. Top is open type with a removable cover. Tank has internal "birdcage coils" for thermal fluid heating. Top entering agitator with 3 sets of propeller blades. Driven by 0,5 HP motor at 1:30 ratio for output rpm 55-60. Vessel is New, never used	NEW College Station, TX

Piping	**5 Items**

Flow Regulator Asset ID: O21 Eaton Dole	Eaton Dole Flow regulator Model GX 12.0 gpm	Unrated Jacksonville, IL
Quick Connect Female 1/4 Asset ID: 5422 Speedaire	Speedaire Coupler body 1/4 FNPT 30E653	New, Old Stock Jacksonville, IL
Quick Connect Male 1/4 Asset ID: 5421 Speedaire	Speedaire Coupler body 1/4 MNPT 30E655	New, Old Stock Jacksonville, IL
Relief Valve, Hydraulic Cartridge Asset ID: O13 Sauer Danfoss	Sauer Danfoss direct duty safety relief valve, cartridge type. Valve 1G10-03-V-0-E-B-XXX. Viton seals, external adjustment, 20-80 psi spring pressure. New, old stock. Qty 2, priced separately. Length approx 5 3/4" Buy It Now - Free Shipping.	New, Old Stock Jacksonville, IL
Y strainer Asset ID: O10 Mueller	Y-Strainer. Mueller Model 76-11M-01 3/4 inch NG Cast iron Y-strainer. Quantity (2) - priced separately	New, Old Stock Jacksonville, IL

Piping/Ball Valve		**28 Items**
Automatic Ball Valve Asset ID: SJ119 Auto Valve	Automatic 2" pneumatic actuated valve - 2-way ball valve. Brand NEW - never used. Valve is a Velan carbon steel w/ stainless steel 316 ball w/ pneumatic actuator & position indicators.	New, Old Stock Jacksonville, IL
Automatic Ball Valve Asset ID: SJ302 Tufline	Tufline automatic plug valve, 1-1/2 inch valve flanged rated 150 psi with Hytorq 71 Pneumatic actuator Model E1A-0071-S80-A00, serial 125744099. Exp proof group 2.	New, Old Stock Jacksonville, IL
Automatic Ball Valve Asset ID: SJ301 Ball Valve	Automated ball valve, 2 inch 316 stainless steel, screwed connections rated 300 psi. With Bettis electric actuator Model EM SR5M-30-C4-02-305, serial 04-3029205-001. Built 2004	Used - Good Jacksonville, IL
Ball Valve Asset ID: 8140 SVF	4 inch Stainless Steel Flanged Ball Valve. SVF Class 300	New, Old Stock Pennington Gap, VA
Ball Valve Asset ID: S1311B Milwaukee Valve Company	Milwaukee Valve Company, Inc bronze ball valve. 600 WOG. 150 SWP. New. Assembled as a uni-directional safety exhaust valve.	Used - Good Jacksonville, IL

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Ball Valve Asset ID: S1312B Apollo	Apollo 1/2" bronze ball valve. Model: 70-103-01.	Used - Good Jacksonville, IL
Ball Valve 1 1/2 inch Asset ID: 6063 SVF	SVF Fluid Control Inc Flanged Ball Valve B416ATR3P 1 1/2 inch - 150 CF8M	New, Old Stock Jacksonville, IL
Ball Valve 1" Asset ID: 5403 Sharpe	Ball Valve - meets NACE. Size 1 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 inch NACE MR-01-75 338749. Qty (7) available - priced separately	Unrated Jacksonville, IL
Ball Valve 1" Asset ID: 5401 American Valve	Ball Valve 1 inch 125# CS Flanged Ball Valve 200WOG BD693 with handle. American Valve 4000. Qty (4) - priced separately	New, Old Stock Jacksonville, IL
Ball Valve 1" Asset ID: S1204B Kitz	Kitz 1" steel ball valve. Class: 150. WCB	Used - Good Jacksonville, IL
Ball Valve 1" Asset ID: S1208B Sharpe	Sharpe 1" 3 piece steel ball valve. 1000 CWP. Socket weld type. New. There are 4 of these available - priced separately.	New, Old Stock Jacksonville, IL
Ball Valve 1" ss316 Asset ID: 6055B SVF	SVF Ball Valve, 1 inch 316 stainless steel ball valve. S/S Center section ONLY with TFM Seat & TFE Body seals. Standard port R86066AT10. New, old stock. Still in plastic bag. Dated 4/7/11. Does not include the end. Multiple Quantites, priced separately	New, Old Stock Jacksonville, IL
Ball Valve 2" Asset ID: 2451 Flow Tek	Flow Tek F15 - 2" Flanged ball valve - 2 piece. Body WCB, ball/stem 316ss. Class 150# valve, Includes bracket mount for actuator. New, old stock	New, Old Stock Jacksonville, IL
Ball Valve 3" Asset ID: 2453 Flow Tek	Flow Tek RF15 316 Ball Valve 3 inch flanged	Used - Good Jacksonville, IL
Ball Valve 3/8" Asset ID: S1305B Sharpe	Sharpe 50M76 3/8" ball valve. 1000 CWP CF8M.	Used - Very Good Jacksonville, IL
Ball Valve SS Asset ID: 5744 Flow-Tek	2" Stainless Steel ball valve, Flow-Tek S85 CF8M 1000 WOG; This item is new but has been in storage for some time	New, Old Stock Jacksonville, IL
Ball Valve, 1 inch Asset ID: 6105 Apollo	Apollo Ball Valve, 1 inch. 72-105-01. Body, Stem, and ball A108. Seat RPTFE, Pkg MPTFE.	Used - Very Good Jacksonville, IL

Ball Valve, 1 inch Cenrter Asset ID: 6055 SVF	SVF Ball Valve, 1 inch carbon steel ball valve. C/S Center section TFM Seat & TFE Body seals. Standard port R84066AT10. New, old stock. Still in plastic bag. Dated 4/7/11. Does not include the end	New, Old Stock Jacksonville, IL
Ball Valve, 1 inch ss Asset ID: 6099 SVF	SVF Ball Valve, 1" - 150#. Flanged, stainless steel. B416666AG150R2. CWP 275 psi. Temp -40 to 350F. Body CF8M, Trim 316SS, Seat, TFM. Used. Made in China. Built in 2006 but barely used - in great shape.	Used - Excellent Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6106 SVF	SVF Ball Valve, 1/2 inch, NPT female ends R84466ATSE. 1500. Threaded connections FNPT. Used.	Used - Good Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6069 SVF Flow Controls	1/2 inch ball valve by SVF Flow Controls. High performance 3-piece ball valve model R8 4466ATSE. Quantty (2) available, priced separately	Used - Good Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6076 Sharpe	Sharpe ball valves. WC8 1000 CWP, 1/2 inch. Used - 4 available, priced separately.	Used - Good Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6078 Sharpe	Sharpe Series 39034 3-piec Ball Valve, Size 1/2 inch with 1/2" threaded FNPT connections, 1000 WOG, rated at 1000 psig @ 100F. JL084. 1/2"-WCB. Carbon Steel body, ss316 ball/stem. New, old stock.	New, Old Stock Jacksonville, IL
Ball valve, 2 inch Asset ID: 6096 SVF	SVF B41 Ball Valve 4466AG 150R2 WCB 2 inch-150 Ball Valves. Body WCB/Trim 316ss, Seat TFM, CWP 275 psi Temp -40 to 350F. Qty (4) - priced separately	New, Old Stock Jacksonville, IL
Ball Valve, 3/4 inch Asset ID: 6104 Sharpe	Sharpe 3/4 inch ball valve. CF8M, 1000 CWP. New, old stock	New, Old Stock Jacksonville, IL
Ball Valve, CS Asset ID: 5402 Sharpe	1 1/2 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 1/2 in NACE MR-01-75 329756.	New, Old Stock Jacksonville, IL
Ball Valve, CS Asset ID: 5402A Sharpe	1 1/2 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 1/2 in NACE MR-01-75 315628	New, Old Stock Jacksonville, IL
Ball Valves, ss316 Asset ID: J1133 Ball valve	Ball valve ss316 - 3 inch flanged - Qty (3) - priced for the lot	Used - Good Jacksonville, IL

Piping/Butterfly Valve **8 Items**

Actuated Butterfly Valves 3" ss Asset ID: R3-S8 El-O-Matic	Actuated Butterfly Valve, Lugged, 80mm. Elomatic Actuator Type ES0100-U1A04A-19KO. S/N 150063130. With Eckardt Invensys SRD991-BHQS6FAANY-V02	Used - Good Jacksonville, IL
Butterfly Valve & Actuator Asset ID: 6168 FNW	Stainless steel butterfly valve with electric automatic actuator. FNW Actuator EIA-0221-S80-A00 Fig No FNW742T 150 psi, CF8M (cast stainless) Body and disc, SS316 stem, S/N 140018017. Made in Korea	Unrated Jacksonville, IL
Butterfly Valve 3 inch Asset ID: 6048 FNW742T	FNW 3 inch Butterfly Valve CF8M Body and disc, SS316 stem, teflon seat. Lugged valve - 4 bolt holes. Figure FNW742T. Working pressure 150 psig at 266 F. Made in Korea - used valve. Qty 2 available, priced separately	Unrated Jacksonville, IL
Butterfly Valve 3 inch Asset ID: 6049 FNW	FNW 3 inch butterfly valve CF8M 150 DI D16. Lugged connections 3" pipe	Used - Good Jacksonville, IL
Butterfly valve 4 inch Asset ID: 6047 FNW	FNW 4 inch butterfly valve CF8M. Lugged connections for 4" pipe. Silicone free. DN100	Used - Good Jacksonville, IL
Butterfly Valve 4" ss Asset ID: R1-S1A2 Crane	Butterfly hand valve, lugged. Crane Flowseal 4" 150/300 F316 stainless	Used - Good Jacksonville, IL
Butterfly Valve 40" Asset ID: 1726 Bray Controls	Butterfly valve 40" 300# rated 740 psi 100F. Bray Controls P/N 434000-1100147Q/CD40 sn C160241184. Body cast iron WCB, stem & disc CF8M stainless steel, seal RPTFE. Made in China 2016. New in crate. Manufacture to ASME B16.34, passed and certified by CE (Europe)	New, Old Stock Marissa, IL
Butterfly Valve, 6 inch Asset ID: 6091 Tufline	Tufline Butterfly Valve, 6 inch. SS Body and Disc, Shaft 17.4 PH PC95C044. Max 100 psi @ 450F. Class 150.	Used - Good Jacksonville, IL

Piping/Check Valve		**10 Items**
Check Valve 3/4" Asset ID: O9 Bonney Forge	Bonney Forge 3/4 inch Check Valve 800# HL 41 Std Port Bolted Bonnet 022077-0086 A105N. 800# class. 3/4" FNPT Threads. (3) available - priced separately	New, Old Stock Jacksonville, IL
Check Valve, 1 inch Asset ID: 6051 DFT	DFT Check Valve, 1 inch. Model WLC 49336. S/N 49336 Class 150. Stainless steel 316 body & trim. Rated MAWP 275 psig @ 100F, 195 psig @ 400F. New, old stock.	New, Old Stock Jacksonville, IL
Check Valve, 1.5 inch Asset ID: 6052 Warren	Warren Size 1.5 inch check valve, Y pattern, pressure rating 200 psig. Body CF8M, Stem 316, Disc CF8M, Fig No. 223. New, old stock.	New, Old Stock Jacksonville, IL

Check Valve, Swing Wafer Asset ID: 6103 Hy-Grade Valve Inc	Hy-Grade 1 inch Swing Wafer Check Valve, T series. Class150 RF 275 WP-100F. S/N 1T20683. 74715. 316-A479. New, old stock	New, Old Stock Jacksonville, IL
Swing Check Valve 1/2" Asset ID: 6068 Sharpe	Sharpe 1/2 inch Swing Valve. 200 W. P. CF8M body, Disc 316. New, old stock.	New, Old Stock Jacksonville, IL
Swing Check Valve Wafer Type 6" Asset ID: 5405 KF	6 inch Wafer Swing Check Valve, 150# class, 304 Stainless Steel. Mfg is KF. The check valve body is CS, Trim SS, MOP: 285, Rating: 150, P/N 7335-11139K11, Spec B16.34, Mfg 10/06. New - old stock.	New, Old Stock Jacksonville, IL
Swing Check Valve, 1 inch Asset ID: 6065 Sharpe	Sharpe 1 inch cast stainless steel swing valve. W.P. 200 psig. Body CF8M, Disc 316.	Used - Very Good Jacksonville, IL
Swing Check Valve, 1 inch Asset ID: 6077 Sharpe	Sharpe 1 inch Swing valve, screwed cap. Body CF8M, 200 W.P. Disc 316 Fig 20276. Threaded connections FNPT 1". New, old stock.	New, Old Stock Jacksonville, IL
Swing Check Valve, 1 inch Asset ID: 6079 Sharpe	Used Sharpe Swing check valve, Size 1 inch with 1" threaded FNPT connections. CF8M, 200 W. P.	Used - Good Jacksonville, IL
Swing Valve, 3/4 inch Asset ID: 6066 Sharpe	Sharpe 3/4 inch Swing Valve. 200 W.P. Body CF8M, Disc 316, Fig 20276. New, old stock.	New, Old Stock Jacksonville, IL

Piping/Gate Valve	**2 Items**
Gate Valve 16" Asset ID: 6595 Fairbanks	Fairbanks 16" gate valve. New. Figure No. 0405. 150 WOG	Used - Good Grant City, MO
Gate Valve, 1 inch Asset ID: 6064 Vogt	Vogt 1 inch class 800 carbon steel Gate Valve. API 602/ANSI B16.34. Series SW12111 Spec API602/B16.34 Body A105 UG60. Class 800# valve, rated for 1875 psig at 100F. Seat HF. Quantity (4), priced separately. New, old stock	New, Old Stock Jacksonville, IL

Piping/Knife Gate Valves	**3 Items**

Knife Gate Valve 20" Asset ID: B2077 Orbinox	Knife Gate Valve 20" Stainless steel body and gate with actuator. Full lug, face-to-face 4.5" . Orbinox Pneumatic cylinder actuator Model: PARG4NE3-21, SN: V6245532, Bore 12", Stroke - 21", Press Rating 150 PSI. NEW, Old Stock	New, Old Stock Peoria, IL
Knife Gate Valve 30" Asset ID: B2079 ITT Fabri Valve	Knife gate valve 30" with pneumatic actuator, Wafer. Rated 150 lb carbon steel body with ss304 knife. Mfg ITT Fabri Figure 037L304. NEW, Old Stock	New, Old Stock Peoria, IL
Knife Gate Valve, 30" Asset ID: 6122 Metropolitan Valve Inc.	One (1) 30" pneumatic stainless steel knife gate valve, new surplus (unused).	Unrated Minnesota

Plants/ASU — 1 Items

ASU Air Separation Unit 600 TPD Asset ID: PK-5101	**ASU - Air Separation Unit** Includes ancillary systems. The ASU was originally commissioned in 1997 and idled in 2017. See Plant Narrative and PFD in Links. This plant produces: • 402 KSCFH of high pressure Gaseous Oxygen (GO2) at 200 psig • 100 KSCFH of low pressure Gaseous Oxygen (GO2) at 3 psig, Oxygen Purity 99.5%, N2 Purity less than 10 PPM O2 • 102 KSCFH of Liquid Oxygen (LO2) • 1,872 KSCFH of Gaseous Nitrogen (GN2) at 400 psig • 74 KSCFH of Liquid Nitrogen (LN2) • 23.9 KSCFH of Liquid Argon (LAR) Less than 1 PPM 02 and less than 1 PPM N2 • 305 KSCFH of waste N2 (gaseous nitrogen) The plant has a film-type main vaporizer with two BAHX closed cores supplied by Sumitomo and is equipped with an alumina/CaBaX air purification system. The natural gas fired heater provides heat regeneration. The HP column has trays; the LP column and two argon columns are packed columns. Argon production is “cryo-argon” type. Liquid dumping is through forced air dump vaporizer. • Still installed. Sale Terms are As Is, Where Is • This plant must be relocated • We can provide services for match marking, dismantling, and loading onto trucks • Full set of plant P&ID drawings are available on request	Used - Good Southeast US

Plants/Biodiesel — 6 Items

Biodiesel Plant 10 MGY Asset ID: PK-2800	Continuous Biodiesel Plant rated at 10 MGY for sale as a complete Asset Sale. Ready to Run - very little CapEx needed. Sale includes 6.7 acres land and buildings approximately 9600 sf under roof. Includes truck scale, loadout system, (10) tanks for 330,000 gallons + process tanks. Equipment and systems are maintained and ready to start, trained plant manager on site. Power and all utilities have remained on and plant has been maintained since being idled. Ready to start immediately. Continuous design with all new or renewed equipment. All stainless steel construction including piping. (except reactors). Brand new Goulds pumps and glycerin distillation system. Automatic operation through Allen Bradley plc and HMI control. No rail on site but there is a spur rail next door fed by Norfolk & Southern. Will require a renovation of existing track. The plant can handle RB and clean oils to 3% ffa. Plant was built in 2007, sold and completely renovated in 2016, operated until 2018 when idled. It has also had limited runs in May-June 2022.	Used - Excellent Moberly, MO
Biodiesel Plant 15 MGY Asset ID: 7410 Greenline	**Biodiesel plant rated for 15 MGY (million gallons per year)** • Complete plant including land, rail siding, rail & truck loading, 13 tanks. • Rail ties to BN on one end and UP on other end - BN does the switching. • Two separate complete biodiesel trains capable of operating independently on different feedstocks - a 5 MGY system and a 10MGY system. • All electrical, lab, utilities, and auxiliaries. • All automatic - Allen Bradley plc controls and HMI • Can be run in place. If moved, removal is extra • Land size is approx. 6.52 acres. Plant is a Greenline design capable of running multi feedstocks. It ran animal fat during its production. The 10MGY train was added new in 2008 - plant was idled in 2010, then ran again in 2018 and 2019. Now idle. Much more information available in our Virtual Data Room (VDR). Please ask for an invitation. This plant can be used as a terminal - has 12 rail spots, 2 truck spots, and 1.4 million gallons of storage	Used - Good Missouri
Biodiesel Plant 15 MGY Asset ID: PK-5200	**Biodiesel Plant 15 MGY** Biodiesel plant with nameplate rating at 15 MGY (million gallons per year). Was designed to run soybean oil and was in operation on crude degummed oil. Complete plant is available - must be relocated. Does not include electrical. The entire plant is inside in a protected building except for the methanol distillation column. Allen Bradley plc controls. Still installed. Plant never met nameplate capacity but average rate was between 6 to 8.7 MGY. In operation from 2020 to late 2021. Includes all in-process tanks, The 18 outside storage tanks are available on Asset 2365 and Asset 2366. We have details and drawings in our Virtual Data Room (VDR) - available upon invitation. • (3) biodiesel reactors • (3) horizontal settling tanks • Glycerin coalescer distillation column • Biodiesel coalescer distillation • MRU methanol recovery unit distillation column & system • Cold soak filtration system - Vertical pressure leaf filter and (2) plate and frame filters including slurry and earth handing systems • (2) Hydrasep oil water separators • Air compressors, pumps, heat exchangers • Allen Bradley controls, HMI	Used - Good Greenwood, MS

Biodiesel Plant 3 MGY Asset ID: PK-1900 Greenline	**Biodiesel Plant - 3 MGY (million gallons per year)** Manufactured by Greenline, this plant ran cottonseed oil in a continuous flow, water free, transesterification reaction and separation modules. • On skids and includes in-process tanks. • Fully automatic with plc control; all controls are still there and intact except for the HMI. • No tank farm • No air compressor • This plant was just inspected by the manufacturer in Dec 2021 and all pieces are still there except for some water piping. • The manufacturer notes that this plant is in good condition and very little CapEx will be needed to start the equipment back up. Customer will have to make its own determination. • Plant must move. • Approx space is occupies now is 75 ft x 100 ft Started in 2008 - idled in 2010. We can offer two further options at an additional price: 1. Greenline refurbish all equipment and make ready for start-up. 2. Greenline install and start-up equipment at new location. See information in Links; more data in our Virtual Data Room (VDR).	Used - Good Texas
Biodiesel Plant 5 MGY Asset ID: PK-2200 Greenline	Greenline 5 MGY plant complete. Very good condition, built in 2007 and just idled in Sept 2021. In all 15 years of production, this plant did not have more than 3 weeks downtime - designed very well. Production was all animal fat at <4% ffa. It could also run Choice white grease, lard, tallow, brown grease. The front end operation has an Alfa Laval PX centrifuge. Includes an extensive spare parts inventory with spares for every major piece of equipment in the plant. Has an enclosed load out area and a chiller/filter press to meet cold soak requirements for biodiesel, Includes tank farm with (10) 30,100 gallon vertical tanks with insulation, side entering agitators, and electrical insertion heaters. 4 for B-100, 4 for feedstock, 1 for crude glycerin, and 1 for methanol. The BN rail line is next door and BN approved a switch onto property but rail line was never built. This is an orderly negotiated asset sale - all assets must move. Land and buildings are not included. Owner is open to an operating lease agreement as well to run in place.	Used - Very Good Hayti, MO
Biodiesel Plant 5 MGY Asset ID: PK-1777 Jatro Renewables	Biodiesel Plant nameplate capacity 5 MGY (million gallons per year). Design is super critical reactor type, developed by Jatro Renewables. This design technology allows this plat to handle very dirty high ffa feedstock while operating cheaper than a conventional catalyst biodiesel plant. No toxic catalyst. Output biodiesel is much clearer than conventional biodiesel. See our marketing deck for lengthier explanations. No license fees. All assets are for sale as an entity - must be relocated. All structure included - building is not included. Includes lab equipment. See Marketing Deck general arrangement in Link. Operated from Nov 2015 to 2019 - now idle.	Used - Very Good Illinois

Plants/Crush & Edible Oil — **1 Items**

Crush Plant 150 TPD + Refinery 50 TPD Asset ID: PK-2400	**Crush Plant 150 TPD --- RBD Refinery 50 TPD** This plant was designed to crush and refine organic soybeans from local farmers. Built in 2002 and idled in 2006. The overall refinery is designed to be a 150 T/D soybean processing plant and a 50 T/D refinery with a majority of the technology provided by the Chinese engineering company Wuhan Friendship Food Engineering Co, LTD. The majority of equipment is of Chinese origin but also incudes US manufacturers of major equipment (presses, centrifuge, chillers). Offering complete, for sale as a single entity. Most equipment is inside a building and is protected from weather. Crush includes (3) Dupps presses, cooker, hammermill at meal storage. Refinery includes Alfa Laval degumming and ww centrifuges, bleach, deodorization. Quoted as Complete Plant for run-in-place including land and buildings. See flyer brochure and video walkthrough in Links.	Used - Fair New York

Plants/Essential Oil & CBD		2 Items
Oil Extraction System, Butane 1 TPD Asset ID: PK-6030 SH Capital Holdings	**Hydrocarbon Butane Natural Oil Extraction System** Rated at approximately 1 TPD (ton per day). Last used to extract CBD, can be used for essential oils. Complete continuous system. Installed NEW in 2020 and idled in 2021. It ran only 5 to 6 batches - very few hours. • Batch Process designed for 1000 lbs of hemp per run lasting 6 to 8 hours. • (3) butane process pressure tanks 420 gallon horizontal insulated. ASME MAWP 250 psig at 100F with water jacket MAWP 15 psig. • Chiller 10 tonR. Temtek BCD-10A air cooled water chiller. Motor 10 HP, refrigerant R-410A • Alfa Laval plate heat exchanger 84 sf, model M6-Base • Shell and tube heat exchanger Alleghany Bradford, MAWP shell/tube rated at 150 psig at 350F • Rosedale ss cartridge filter, model SAN830 • Delta T Systems glycol cooling controls, Model EUW-36E. Heater 36 kw, pump 1.5 HP 230v 3/60 • (2) stainless steel jacketed tanks, Lee Tank 40 gallon capacity. MAWP tank 45 psig at 350F, Jacket 100 psi at 350F. Full vacuum vessel internal. • Transformer 75 kva MGM. 3-phase 480v to 240v/120 CT • Process pump, piping • Most equipment is Like New - Purchased new in 2020. See equipment list We have many photos of this system. Please ask for an invitation to our VDR (Virtual Data Room) to view.	Used - Excellent California
Oil Extraction System, Ethanol 1.5 TPD Asset ID: PK-6020	Biomass drying and ethanol solvent extractor system, last used for producing CBD Extract by drying hemp at 3,000 #/day infeed and approximately 1,000 #/day dry mass outlet. Was running hemp with infeed moisture of 50-80% and outlet moisture of 7% to 11% moisture. CBD extraction efficiency is very good. Unit was purchased new in 2019 - only has 1,289 hours operation. Main components include Gryphon gas fired dryer, ribbon blender, Watermark filter press system, Nutsche filter, BizzyBee distillation system, tanks. See Links for equipment list and process flow chart.For all components enter the key word pk6020 in search box..	Used - Very Good Northern US

Plants/Ethanol	1 Items

Ethanol Plant 38MGY partial & CHP 4MW Asset ID: PK-8405 Lurgi & Fagen	**Ethanol plant 38 MGY (partial) and CHP 4 MW** Ethanol plant including all assets, buildings, and approx 25 acres of land for sale. Plant has nameplate rating of 38 MGY (million gallons per year). Includes coal fired HRSG and CHP plant rated at 4 MW. This plant was tested in 2009, but never produced. Idled in 2009 - assets are clean, empty, and shiny. Lurgi design modified by Fagen Engineering built in 2008-2009. Process is corn dry mix fermentation. Most of the equipment is still there although it missing the decanters, air compressors, hammermills, boiler, cooling tower, some tanks, some pumps, some electrical. See Equipment List in document Links. Virtual data room (VDR) available for request for many more details. ***CHP Package:*** Combined Heat and Power provided steam for the operation and 4 MW power at 12.4 KV. The package includes EPI Outetec coal fired combustor, fly ash control and silo, and Rentech HRSG generating steam at 130,000 lbs/hr at 650 psig for turbine generator + export steam of 125,000 lb/hr at 150 psig to the operation. Gen-Set Package (Includes Murray Turbine, Ideal Generator, Lube system, and control panel). Output is 5000 KVA at 12.4 KV 60 Hz 3 phase. Was guaranteed at 4,012 KW. The steam turbine and generator are skidded together, Lube Oil skid separate. Length of unit approx 26'-7" x Width of unit approx 10'-1". System integrated by Murray Turbine. See box flow diagram and drawings in links.	Used - Good USA

Plants/Grain Milling — **1 Items**

Grain Milling Plant Asset ID: PK-5106 Agrex S.p.A	**Grain Milling Plant** Agrex grain milling plant rated at 125 bu/hr (85 tons/day). Capabilities: Corn, Wheat, Barley, Oats, Rye, Soybeans, Grain Sorghum - was milling corn for an ethanol plant. Plant is fully automated using Allen Bradley PanelView Plus 1250 controls, 480v 3/60. Built in 2008 and ran through mid 2010 then idled. Stored in a protected warehouse. This plant occupies an area approx 55 ft x 22.5 ft and tallest piece (hopper) is 15 ft. Sold as a complete milling system. For more information and photos of the components, ask for an invitation to the Virtual Data Room (VDR). ***Very Good Condition. Ran less than 1000 hours - Fully Automated*** Equipment is removed, in a warehouse, and ready to load. **Major Equipment** --> See Equipment List in Documents • Loading hopper • Grain seed cleaner sieve • Destoner • Degerminator • Classifier • Blender • Byproduct collecting beam and filter • Rolling mills • Purifier and filter • Grits and flour transport line • Pneumatic clamp tissue tightener **Operation** • Very low hours: Less than 1000 hours. (Paint is still on the augers) • Built 2008, ran through mid 2010 • Briefly started again in 2013/2014 but never was operational - idled again • Started again in 2022 to check out operation. Ran some corn to verify good working condition • No major issues known	Used - Excellent Illinois

Plants/Hydrogen — **3 Items**

Hydrogen Gas Plant 7 MM SCFD Asset ID: PK-4000 Linde HydroChem	Hydrogen generating plant rated at 7 MM SCFD (million standard cubic feet per day or 16.5 TPD). Reconditioned w/ warranty. Pressure at PSA of 200 psig then gas compression to 650 psig. H2 steam methane reformer design (SMR). Nearly NEW and lightly used. Plant can handle a turndown rate from 4 MM to 7 MM SCFD. Steam export 13,000 lb/hr. Designed to meet California's regulations. Plant is offered removed, reconditioned, with EPC and supervision for installation (installation labor by customer - all obligations clearly listed in the proposal document). Full Presentation Proposal document available on request with NDA including entry into data room. Natural gas fired 450 psig, H2 production at 200 psig of 99.99% pure hydrogen. Plant originally ran in Oklahoma in 2018 for 6 months and has now been removed and stored in Houston. Was operating as a syngas generation plant but will be modified by adding a Water Gas Shift unit, an optional Pre-Reformer unit (added cost) and a Pressure Swing Adsorption unit. First year spare parts and annual maintenance parts included. Allow time to engineer and recondition - Warranty and Process Guarantee provided.	Reconditioned Texas
Hydrogen Gas Plant 90,000 scfh (Partial) Asset ID: 6530 HydroChem	**Hydrogen Generating Plant (partial)** • Design capacity is 90,000 scfh at 200 psig with a purity of 99.99% pure hydrogen - was running on 10 of its 20 tubes for 45,000 scfh capacity. Burner has been changed out to run the 45,000 scfh capacity. • Reformer can be fired on natural gas or propane - same burner. • Waste heat boiler generating 3,000 to 5,000 #/hr export steam at 250 psig. • PSA plant (4 psa vessels replaced in 1998) with Jamesbury valves kept up to date, Quench pot design. • Plant is missing small natural gas compressor, heat exchangers, and pumps. • Has new tubes, new reformer, and new shift converter catalyst. • Five (5) spare tubes available. Engineered by Hydro-Chem built in 1980. . Plant was shut down in mid 2012, and proper shutdown procedures were followed. Reformer tubes are 6.625" OD, 5.25" ID, 30.825" long and made of alloy HP50 (also known as 25/35)	Used - Good Nebraska
Hydrogen PSA System 750K scfd Asset ID: PK-5103 HydroChem	**PSA system (pressure swing adsorption)** • Built by Hydrochem in 1998 - never put in service. • Rated at 750,000 scfd (standard cubic feet per day) = 30,000 scfh. • This is an 8-bed design using Valteck valves. • Vessels all are ASME pressure vessels MAWP 270 psig at 150F. • Includes Dresser Rand hydrogen compressor on skid - discharge pressure 400 psig - MAWP 440 psig. See all nameplate details transcribed in photo. • Compressor cylinder type VIP, nominal bore 12.5 inch, 1250 rpm, serial number 3VC200 Adsorbents not included. Now in storage ready to load	New, Old Stock New York

Plants/SynGas		1 Items
Syngas Plant 15.7 MMSCFD Asset ID: PK-4003 Linde HydroChem	This syngas unit was designed by Hydro-Chem (now Linde) to use landfill gas and / or natural gas to produce synthesis gas, which is then converted into paraffinic naphtha, diesel and wax by Fischer-Tropsch process. Major Equipment of this unit includes Reformers #1 & #2, Feed Heater, Feed Superheater, Hydrodesulfurizer, Flue Gas Steam Generator, Reformer Effluent Steam Generator, Dirty & Clean Steam Drums and Blowdown Drum. The syngas output flow rate is 15.7 MMSCFD (or 18,500 Nm3/hr) at 500 °F and 175 psig. Ran in Oklahoma in 2016 for only a few months. Now removed and stored. Can be bought as-is or as a reconditioned package. VDR available upon request.	Unrated Texas

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Prep Oilseeds		3 Items
Dehuller Asset ID: 2344	**Impact Dehullers** These impact dehuller are custom made to resemble Codema VSH-2096. They are robust and last used in the hemp industry. The builder made it a little easier to clean out. Capacity was approx 400 lbs/hr each. Direct drive by 3 HP motor 1100 rpm 460v 3/60. Idled in 2021. Five gray hullers are identical, the one tan dehuller has bottom down slops that are a bit wider. Hullers are 37" tall on top and 51" bottom cone, 32 1/2" wide/diameter. inside of huller is 27 1/2". Inlet size 4", outlet size 2 x 5" (18 inch center to center) Qty (6) - priced separately. We can sell these singly or make a package deal.	Used - Very Good Winnipeg, Canada
Gravity Separator Asset ID: 2345 Forsberg	Gravity separator density separator last used for hemp. Idle since 2021. We have 5 total - priced separately 3 are Triple/S Dynamics Model E50-1R, serial # CS.7629,7627,7630 (single drums approx 18" dia), one is a Forsberg double screen model 50V serial 5239, 1 looks like a older T20-R (single drum, no model tag). All have 18 inch drums, all the same size 4 1/2 ft x 4 3/4 ft for 20 sq ft. screen size. Driven by 460v motor 3/60.1.5 HP. No external blowers. Forsberg 50V rated at 6000 lbs/hr for grains, physical size 64" x 106" x 83" tall.	Unrated Winnipeg, Canada
Roto-Shaker Screener Asset ID: X2102 Andritz Sprout Bauer	Andritz Sprout Bauer Roto-Shaker Screener, Model 6x14, serial 1997-00199. Has 16" inlet/outlet and 3 screens. Motor 10HP.460v 3/60. Physical size approx 21'-6" long x 7'-1" wide x 57" tall. The industrial model Rota-Shaker is equipped with heavy-duty, segmented screen frames of carbon steel or stainless steel construction. The unit is designed with a spring-tensioned, hook-strip screen attachment, which provides a taut surface for increased screen life and greater efficiency, and allows screens to be retightened after use.	Unrated Mississippi

Presses/Expeller		6 Items
Press 60 to 95 MTPD Asset ID: 5450 Shann	Shann Full Press Model 9-99RT Serial Numbers 3294-1 and 3294-2. Motor HP 370. Brand New - never used or installed. Capacity at Full Press rated to 60 MTPD on soybean - with extruder ahead of it can do 95 MTPD. All parts are there - complete press. RT design allows the press to be reversed in case of an overload. Quantity (2) sold together as a lot.	NEW Wisconsin
Press, Oil Press 60-150 TPD Asset ID: 1470 Goyum	NEW, never installed. Goyum oil press Model G-1500. Capacity: 140 to 150 Ton (In 24 Hours) in pre-pressing and 50-60 Ton in Single & Final crushing (Capacity differs with material density & quantity of oil in it.). This model has been designed in a simple and symmetrical shape. Used as expeller or press. Ser no. 512 Has NO Motor. (Designed for 180HP). Built 2007. Triple Reduction Gear Box with helical gears of cast steel and pinion shafts of special steel. Gearbox is aligned with all the bodies on a single fabricated base. This expeller has Three chambers of Cast Steel, vertically hinged. Each of 36" long. Two of the 3 cage assemblies have been removed. Cake thickness can be adjusted on running Machine. Worm Assembly, discharge ring, compression ring are all hard faced welded. Main Worm Shaft can be withdrawn without disturbing the Gear Box. The shaft is water cooled. Crammer Shaft for extra cramming of the Seed or Cake in the feed body is completely supported on Bearings. Overall Machine Dimensions (Approx.) Length:3550mm, Breadth:1300mm, Height:3600mm (including motor for kettle gearbox)	New, Old Stock Iowa

Press, Oil Press 60-150 TPD Asset ID: 1466 Goyum	**Goyum Oil Press Model G-1500** This model has been designed in a simple and symmetrical shape. Used as expeller or press. Ser no. 512 with 180HP ABB motor. Built 2007. • Capacity: 140 to 150 Ton (In 24 Hours) in pre-pressing and 50-60 Ton in Single & Final crushing (Capacity differs with material density & quantity of oil in it.). • Triple Reduction Gear Box with helical gears of cast steel and pinion shafts of special steel. Gearbox is aligned with all the bodies on a single fabricated base. • This expeller has Three chambers of Cast Steel, vertically hinged. Each of 36" long. • Cake thickness can be adjusted on running Machine. • Worm Assembly, discharge ring, compression ring are all hard faced welded. • Main Worm Shaft can be withdrawn without disturbing the Gear Box. The shaft is water cooled. • Crammer Shaft for extra cramming of the Seed or Cake in the feed body is completely supported on Bearings. Overall Machine Dimensions approx Length:3550 mm, Breadth:1300 mm, Height:3600 mm (including motor for kettle gearbox)	Used - Very Good Iowa
Screw Press Asset ID: 2353 Vincent	Vincent Compact Press Model CP-4 • Continuous dewatering press. Graduated pitch, interrupted flight screw to maximize dewatering. Final pressing is controlled by a discharge cone • Capacity 150 to 500 lbs/hr (0.5 to 1 tpd) • 1.5 HP motor 230/460 3/60 - include VFD • Model CP-4, serial number 19019-1 • All contact parts ss304 Very few hours - close to 85 total.	Used - Excellent Tennessee
Screw Press 60-70 TPD Asset ID: 8403 Krupp	Krupp EP-07 Press, used. We have primed and painted and cleaned it inside and out so the press actually looks as good as if it had been rebuilt. Used As Is, The last application was soybeans where it was running at a capacity of 60-70 TPD on extruded soybean material. Solid Shaft. Discharge has Lump Breaker installed. The press comes with 150 H.P. motor 230/460v 3/60, V-belt drive with pulley. Capacity up to 75 to 80 TPD. It has been setup for a full pressing application but was originally a pre-press and should be able to reconfigured to that (pre-press) if desired.	Used - Excellent Ft. Worth, TX
Screw Press, Sprout Bauer 100 tpd Asset ID: B2107 Sprout-Bauer	Screw Press dewatering press by Andritz Sprout-Bauer Model 575. Main drive Siemens 75 HP motor 460/360 at 1780 rpm. With Falk gear reducer. Capacity approximately 100 short tons per day (tpd) depending on feed stock. Last used for pressing corn germ. See drawing in Links for details. Qty (3) presses - priced separately	Used - Good Peoria, IL

Process		13 Items
3rd Stage Transesterification Skid Asset ID: X2085	Reactor skid for transesterification of oil for biodiesel. Tertiary skid.	Unrated Mississippi

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Condensate Package Asset ID: Z-4101 Wheeler tank	Condensate collection package. Includes Wheeler tank vertical and Goulds condensate pump (see asset PC-4101) 3x4-10 pump/motor/bedplate. Mfg by Campbell Sevey sn 4872-B ASME NB # 12171 MAWP 150 psig at 450F. Used as Beer column condensate collection package. Physical size of skid is approx 4' W x 9'8" L x 12-'8" Tall. Estimated total weight 3,000 lbs. If take tank off for shipping, Tank would be 3' W x 12'-5" L x 4' Tall and Skid would be 4'W x 9'8"L x 7'4" Tall.	Used - Good Vicksburg, MS
Disintegrator Asset ID: X-5210 GEA Barr Rosin	Disintegrator. Size 84" dia x 42" wide cold disintegrator. Beater section 3' 6" wide x 84" dia. Overall dimensions 10' 6" length x V-belt drive (5 grooves) by 150 HP motor at 900 rpm for an operating speed of 278 rpm TEFC frame 449T 460/3/60. See link for drawing.	Used - Good Vicksburg, MS
Exhaust Hood Asset ID: E2364	Exhaust hood Dimensions: 76"W x 61"D galvanized	 Jacksonville, IL
Exhaust hood Asset ID: E2366	Exhaust hood 72"W x 56"D galvanized	 Jacksonville, IL
Flare Asset ID: ME-4571	Methanator flare fed by 1/2" natural gas line. Located on top of methanator bldg.	Used - Good Vicksburg, MS
Powder Feed Hopper Feeder Asset ID: X2027 Flexicon	Flexicon stainless steel powder feeder hopper with 1/2 HP motor driven screw auger approx 45 degree., Vibrator. serial number 99965.	Unrated Mississippi
Primary Transesterification Skid Asset ID: X2083	Reactor skid for transesterification of oil for biodiesel. Primary skid.	Unrated Mississippi
Scrubber Asset ID: X2050	Scrubber	Unrated Mississippi
Secondary Transesterification Skid Asset ID: X2084	Reactor skid for transesterification of oil for biodiesel. Secondary skid.	Unrated Mississippi

Shredder Asset ID: 2352 High Yield Solutions	Shredder - Plant Muncher by High Yield Solutions cannabis waste shredder - used for hemp processing and other plant products. • Used very little - has 85 hours on it. In excellent shape and operational when idled. • Motor: 15 HP,460v 3ph 60hz • Drive Configuration: Inline, Direct Drive • Cutting Chamber: 15" W X 15" L • Shred Width: 5/16" Nominal • Cutters: Constructed Of Hardened, High Strength Alloy Material • Shaft: Heat Treated Hexagonal, High Strength Alloy Material • Hopper: Standard • Stand: Standard • Finish: Powder Coat #5015 Sky Blue • Control Package Includes: Push/pull E-stop, Lockable Disconnect, On/off Push Button, Overload Protection Also available is a discharge Conveyor for additional. See our Asset number 2359	Used - Excellent Tennessee
Spares - Valves/Meters/Instruments Asset ID: X2040	Spare parts in storage. Representative pieces shown here. See photos 503 through 556.	Unrated Mississippi
Wet Scrubber, Chemical Asset ID: FB-51 Viron	Acid scrubber. Chemical scrubber, vertical, Sits on reservoir 34" x 60" rectangular with pump. Scrubber is 2 ft dia x 15 ft tall. Designed for vacuum. Mfg is Viron International, Model VCA-36-FRP-0.3-36 Carbon. Serial 13352. Designed for 300 cfm. Has EchoSpan level indicator transmitter and FRP mist eliminator pad at packing depth 28"	Used - Good Illinois

Process/CIP / COP	**1 Items**	
COP Tanks & Systems Asset ID: 1975	Clean Out of Place (C.O.P.) tanks - .All stainless steel 304. These are all new tanks. The quote offered is for this configuration but we offer 4 different sizes and configurations. COP tank length 10 ft x width 24 " x depth 22 ". Overall height 40 ". Internal spray manifolds and external spray manifolds. Solution pump: 5 HP 3,500 rpm 230v 3/60. Includes (4) 6" caster wheels. See tank drawing in Document Link. • For 6 foot long COP tank subtract $1,500 from quotation • For 8 foot long COP tank subtract $600 from quotation • For 12 foot long COP tank, add $1,350 to quotation • Note: a pipe draining rack can be provided, we can furnish COP tanks with or without recirculating pump	NEW Long Beach, CA

Process/Cooling Tower	**3 Items**	
Cooling Tower & Pump 60 ton Asset ID: 2056 CTS	CTS cooling tower and recirculating pump. This is a counter flow induced draft FRP water cooling tower. Tower has a 1.5 HP fan and 1HP condenser. The nameplate is worn off but this is most likely a T-260 tower rated at 60 tons. Cooling capacity 900,000 BTU/hr, air volume 14,700 cfm. Tower size approx 78" dia x 74" tall. Water circulating pump is approx 77.5 gpm with a Bell & Gossett size e-1532 size 2BD, pump construction SSF impeller dia 8" serial number C286138-01G91 with a 5HP motor 1800 rpm. This is an end suction close coupled foot mounted pump. See link for pump specs and tower specs (most likely the right model number). Part of Gryphon biomass drying system asset 2042 - NOT sold separately. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

Cooling Tower 680 ton Asset ID: 7553 BAC	Used BAC Cooling towers, Model VT1-680-PMC. Certified Capacity 680 tons, 1750 USGPM of water from 95F to 85F at 78F entering wet bulb and 0.9 psig spray pressure. (2) 25 HP fan motors, 1800 RPM, 3 phase, 60 Hz, 230/460, standard TEFC enclosure, fan drives based on 0" ESP. Built 1992 Comes in 3 sections.	Used - Good New Jersey
Cooling Towers Asset ID: 2092 Veritec Solutions	**Modular Portable Cooling Towers 3,000 ton each (45 MMBTU/hr)** These Veritec cooling towers are designed and manufactured to provide the most cooling possible while maintaining easy portability. These units are completely self - contained and can be up and running within hours of arriving on the job site. If needed, portable pumping units and reservoir tanks can also be provided. Nominal Rating - 3000 tons (9000 GPM I 95F HW I BSF CW I 78 degree wet bulb). Steel basin, 4 fans per cell. New in 2021 and were in service 2 years in Louisiana. During that 2 years they ran only 6 months, then were placed in storage. Last inspected about 18 months ago - no issues and no rust. Qty (4) - priced separately	Used - Excellent Southeast US

Process/Reactor		5 Items
Catalytic Converter Reactor Asset ID: 41-R-168 Wagner	Catalyst Converter designed for 3.9 MMBTU/hr. Design specifications are for 14,500 gallons/day crude methanol or 12,500 gal/day mixed alcohols. Mfg by Wagner Plate Works in 2009. Size approx 7 ft dia ID x 19'-11" s/s x 31 ft overall height for approximately 7,600 gallons capacity - tube bed approx 17 ft long. Has 1,028 x 1.9" O.D. tubes Sch 80 stainless steel TP304L, shell cs 516-70 4 inch thick. ASME Nat'l Bd# 55, MAWP shell 2250 psig/FV at 650 F. MAWP tubes 1650 psig at 650F. Converter currently loaded with approx 150 cu ft methanol catalyst - Sud Chemie MegaMax 700. Still installed - price does not include removal. Shipping size will be about 12 ft x 12 ft x 35 ft long. Note: we have the complete reactor module as well with all pieces shown in photos plus instruments - see asset ID FP411.	Used - Very Good Soperton, GA
Reactor Asset ID: AF4	Reactor vessel. Stainless steel reactor. Material assumed to be ss304. Custom reactor for particle production with gas feeds site ports, instrument ports. Dwyer differential pressure transmitter. Stir/agitator motor drive for shaft at top, 10HP at 1770 rpm. Reactor size is 34" dia x 98" tall for capacity of 350 gallons Mounted on carbon steel frame. Frame size is 53" x 59" x 157" tall.	Used - Very Good Illinois
Reactor Hydrogenation Asset ID: 1751 DVC Process Technologies	Hydrogenation reactor stainless steel 304. NEW reactor - Volume 20 cu M for a 12.5 MT batch size. (5358 gallons) Cylindrical tank with heating/cooling coils, nozzles for oil, sight glass, hydrogen ports, top mounted agitator. MAWP 90 psig at 500F. OD 2000 mm x height 8000 mm. Shipping dimensions L x W x H are 8000 x 2300 x 2500. Will fit into a 40 ft HC container. NEW reactor so we can design to your needs - lead time 10-12 weeks. FOB India Port Nhava Sheva	NEW India
Reactor, ss Jacketed Asset ID: R-1 Paul Mueller	Stainless steel reactor with top entering agitator, level probe, Steam Jacket. Arranged with side lugs, mounted on legs. Size 4'-8" dia x 5'-10" seam to seam (overall tank height including heads is 100"), for capacity of approx 750 gallons. Legs 41". Material ss394L. Built by Paul Mueller in 1992, serial number P38961-15. ASME Nat'l Bd# 20993 MAWP 38 psig at 200F. Ekato top entering agitator type EM 2060, sn 51421-10. 5 HP motor 1800 rpm with gear reducer for agitator shaft rpm 162 rpm. Has 2-bladed axial flow 27" impeller with bottom 19" impeller. Nameplate missing - Still installed. See U-1 form and drawing in Link.	Used - Good Morristown, IN
Reactor, ss Jacketed Asset ID: R-2 Precision Stailess	Stainless steel reactor with top entering agitator, level probe, Has steam jacket. Arranged with side lugs, mounted on legs. Size 4'-8" dia x 5'-10" seam to seam (overall tank height including heads is 100"), for capacity of approx 750 gallons. Legs 41". Material ss394L. Built by Paul Mueller in 1992, serial number P38961-16. ASME Nat'l Bd# 20994 MAWP 38 psig at 200F. Ekato top entering agitator type EM 2060, sn 51421-10. 5 HP motor 1800 rpm with gear reducer for agitator shaft rpm 162 rpm. Has 2-bladed axial flow 27" impeller with bottom 19" impeller. . Nameplate missing - still installed. See U-1 form and drawing in Link.	Unrated Morristown, IN

Process/Refining	1 Items

Deodorizer Vessel SS Asset ID: 7472	**500 Gallon Deodorizer Vessel Design** • **NEW**, not built yet so we can design to your specs. • Size: 42 in Dia by 7 ft sidewall with dished top and bottom heads • Rating: Full Vacuum at 500 F. MOC: 304L SS, Coils: 304L SS Sch 80 pipe rated 150 psig at 300 F for Cooling Water with 15 turns Sparger Coil: 304 L with 3 turns and 10 - 1/8" holes facing down • Nozzles: 2 in Oil Inlet, 2 in Oil Outlet, 1 in Temperature Transmitter, 1 in Pressure Transmitter, 8 in Vacuum, 1 in Sample, 18 in Manhole, 2 in sight glass, 1 in CW in, 1 in CW out, 1 in Steam In, 8 in heater flange • Supports: 4 Lugs All vessels are designed and constructed according to the ASME Boiler & Pressure Vessel Code Section VIII Division I, but will NOT be 'U' stamped. In addition, the system and components are designed to facilitate maintenance where required. Delivery: 8 to 12 weeks after final drawing approval. Photo is not actual Deodorizer Vessel - similar item shown for reference only.	NEW Springfield, MO

Process/Vacuum		4 Items
Steam Ejectors Asset ID: B2078 Graham	Graham Steam Ejector System 2-stage, Includes 8" Barometric Precondenser water rated FV & 15 psig. SN: 17-14060-1. We count (6) precondensrs, and 5 steam ejectors. Incomplete systems. There should be (3) complete sets there but Buyer will have to inspect. Two skids - priced for the LOT.	Used - Fair Peoria, IL
Vacuum Eductor Jet Pump Asset ID: VE-4301 Elko	Vacuum eductor Jet Pump using water as motive force pulling vacuum on evap condenser E-4503 to Molecular sieves. Tyco Model ELL6. Water inlet 6"/outlet 6". Vapor inlet to chest is 4". Designed for vapor input of 60.6 scfm at 105F. Material 316 stainless steel. Motive fluid ethanol/water (68%/32%) at 95F, 100 psig. Vacuum suction fluid air, CO2, ethanol & water vapor at 2 psia 60.6 scfm. See spec sheet in Link.	Used - Good Vicksburg, MS
Vacuum System Steam Ejector Asset ID: 7114 Gardner Nash Kinema	2 Stage steam ejector vacuum system. Gardner Nash Kinema Master Serial number 844042: barometric condenser PY, 1st stage steam ejector Y, intercondenser YZ, and 2nd stage steam ejector Z. Gardner Nash Kinema project #1961499, sales order# 1407528. Last used with a thin film dryer. System removed and ready to load. RD-?	Used - Fair Texas
Vacuum System Steam Ejector Asset ID: 7115 Nash Kinema	2 Stage steam ejector vacuum system. Nash Kinema Master serial # 844402, serial number for the set 9104082. Barometric condenser PY, 1st stage steam ejector Y, intercondenser YZ, 2nd stage steam ejector Z. Missing 2nd stage steam ejector (EJ-0315) but we can order it for you. Used - Last used with a thin film dryer - removed and ready to load. RD-79	Used - Fair Texas

Pump/Centrifugal		25 Items
Centrifugal Pump Asset ID: X2074	Centrifugal pump used as Cold Soak Pump West	Unrated Mississippi
Centrifugal Pump Asset ID: X2072	Centrifugal pump. Used as Precoat Pump	Unrated Mississippi

Centrifugal Pump Asset ID: X2062	Centrifugal pump used as Break Tank Pump	Unrated Mississippi
Centrifugal Pump Asset ID: 7139B Durco	Durco centrifugal pump. Size 2K 3x1.5-10/96. Serial 405665. Includes 50HP Marathon electric motor @ 3515 RPM. 230/460V, 116/80A. Used - will need reconditioning	Used - Fair Grant City, MO
Centrifugal Pump Asset ID: PC-4101V Goulds	Goulds centrifugal pump, model 3196. Size 3X4-10 with 8.25" impeller designed for 150 gpm at 70 ft TDH at 1800 rpm. Material: 316 stainless steel. Serial num 733F55043. Driven by (HP/rpm/voltage/frame) 7.5/460/1800/213T motor.sn 733F550W3. Used as a Beer Column Reboiler Condensate Pump - see asset Z-4101.	Used - Very Good Vicksburg, MS
Centrifugal Pump Asset ID: PC-4204V Sulzer	Sulzer centrifugal pump, model CPT 12-1B. Size driven by (HP/rpm/voltage/frame) 15/460/3600/254T motor. Used as a Vaporizer Feed Pump sn 100091659.	Used - Very Good Vicksburg, MS
Centrifugal Pump Asset ID: 7137G	Centrifugal pump with Baldor Super-E Cat. No EM3771T, Spec 07H02W279, Frame 215T, 10 TE HP, sn F999, Volts 230/46, 23.8/11.9 Amps, 3525 RPM, 60 Hz, 3 phase	Used - Fair Grant City, MO
Centrifugal Pump Asset ID: 380-PU-872 Durco	Recirculation pump. 4350 GPM @ 65TDH, Alloy D20, Durco Mark III Centrifugal pump, Size 3K10x8-16H/160RV. Designed for capacity 4950 gallons at 65 ft TDH. Skid mounted. Inlet 10 inch/outlet 8 inch. Driven by 125 HP motor 460v/1200 rpm .Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.	Used - Very Good Saskatchewan, Canada
Centrifugal Pump Asset ID: PC-3201 Goulds	Goulds centrifugal pump model 3196 STX. Size 1.5x3-6. Impeller dia 4.625 in, rated at 135 gpm at 70 ft TDH. All mounted on bedplate. Physical size 39.25" long x 12" wide x 15.44 inches tall. Driven by (HP/rpm/voltage/frame) 7.5/3600/230/213T. Part of Process Scrubber Package PK-3201, For a list of all components enter pk3201 into search box on web site.	Used - Good Vicksburg, MS
Centrifugal pump soft water feed Asset ID: PC-7301 Goulds	Goulds 3196 centrifugal pump model LF3196-STX 1x1.5-4 with 4.12" dia impeller. Design rating 20 gpm at 55 TDH. Ser no. A734F836. Mounted on bedplate. Weight 244 pounds. Built 2007. Last used for soft water feed pump. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS
Centrifugal pump soft water feed Asset ID: PC-7302 Goulds	Goulds 3196 centrifugal pump model LF3196-STX 2x3-6 with 4.875" dia impeller. Design rating 180 gpm at 81 TDH . Driven by 7.5 HP motor at 3600 rpm. Material DI. Ser no. A734F837. Mounted on bedplate, Weight 370 pounds. Built 2007. Last used for soft water feed pump. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS
Centrifugal Pump ss Asset ID: PC-7901 Goulds	Goulds centrifugal pump, model 3196 MTX. Casing & impeller are stainless steel CD4MCU (corrosion and abrasive resistant). Size 2X3-10 with 7.125" impeller designed for 270 gpm at 193 ft TDH. Mechanical seal. Sn A734F846. Driven by 30 HP motor 3600 rpm TEFC frame 286TS 460/3/60. All mounted on baseplate. Physical size 52" long x 15" wide x 22.3" tall, weight 906 pounds. Pump specs, pump curver, and dimensions available in linked drawing. Used as a Reclaim Water Pump.	Used - Good Vicksburg, MS
Centrifugal Pump SS Asset ID: 7137A Summit	Summit centrifugal pump, stainless steel wetted parts. Model 2196. Size 3 x 4-13, impeller dia 12.25. ser 331303. Originally designed fo a 40HP Baldor electric motor @ 1760 RPM. 230/460V. We are offering ss pump, bedplate - Only. If you want motor, please add $400 and we will mount a used working TEFC 40 HP motor on pump/bedplate. Price includes loading on your truck	Used - Fair Grant City, MO

Centrifugal Pump, ss Asset ID: 5994 Waukesha	Waukesha Cherry Burrell Centrifugal Pump, stainless steel. Close coupled with motor.10 HP Baldor-Reliance- 2x2. S/N 1000002442475	Unrated Jacksonville, IL
Condensate Pump Asset ID: X2043	Centrifugal condensate pump at condensate receiver. Vertical. Driven by 5HP motor.	Unrated Mississippi
Cooling Tower Pump Asset ID: PC-7101AV Goulds	Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Used - Good Vicksburg, MS
Cooling Tower Pump Asset ID: PC-7101BV Goulds	Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.	Used - Good Vicksburg, MS
Cooling Tower Pump Asset ID: PC-7101C Goulds	Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.	Used - Good Vicksburg, MS
Cooling Tower Pump Asset ID: PC-7101D Goulds	Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.	Used - Good Vicksburg, MS
Cooling Tower Pump Asset ID: PC-7101E Goulds	Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.	Used - Good Vicksburg, MS
Cooling Water Booster Pump Asset ID: PC-7103 Goulds	Goulds centrifugal pump, model 3196. Size 4X6-10G driven by (HP/rpm/voltage/frame) 20/1800/460/256T motor. Used as a Cooling Water Booster Pump sn A734F841.	Used - Good Vicksburg, MS
Goulds Pump ss Asset ID: X2104 Goulds	Goulds centrifugal pump, model 3196. Size 1.5 x 3-8 with 5.5 inch impeller. 3600 rpm. Designed for 92 gpm at 102 ft TDH. Material CD4MCU - stainless steel	Unrated Mississippi
Positive Displacement Pump Asset ID: X2013	Positive displacement pump used as a Stripper feed pump	Unrated Mississippi
Pump,Sanitary Centrifugal Asset ID: 5993 Waukesha	Stainless Steel close coupled sanitary centrifugal pump. Waukesha S-line Model C218. 2 x 1 1/2 - 8. Max capacity 217 gpm @ 42 ft head. Gator Motor is 5 HP, 1765 rpm 460v 3/60. All wetted parts are stainless 316L. Open impeller design for easy cleaning, CIP capability.	Unrated Jacksonville, IL

Vertical Centrifugal Pump Asset ID: X2051	Vertical centrifugal pump. Scrubber pump.	Unrated Mississippi

Pump/Hydraulic — 1 Items

Hydraulic Pump Unit Asset ID: AF10 Rexroth	**Hydraulic Pump Module** Rexroth hydraulic pump in sound attenuating enclosure. Enclosure size 50" x 46" x 57" tall. Reservoir capacity 250 liter (60 gallons). Max rated 350 bar (5,250 psig). Driven by 25 HP motor 1760 rpm 460/3/60. Part of Outotec Laroc Filter Press	Used - Excellent Illinois

Pump/Magnetic Coupled — 2 Items

Centrifugal Magnetic Pump Asset ID: 2029 Klaus Union	Klaus Union centrifugal magnetic drive pump - NEW (old stock), unused in original crate. This pump has a permanent magnetic synchronous coupling. This is pump only, no motor. Type SLM N 100-200-160 S 3 GU OE, Contract number 1.054232-0001, series P00056621. Size 4x5. Built 2004 Designed for 224.73 m3/hr at 50.34 m head. (989 gpm at 165 ft TDH. Developed HP = 125 HP). 3550 rpm with calculated power at 93 kw. (no motor supplied). Ready to load	New, Old Stock Illinois
Non-Seal Pump Asset ID: 2031 Nikkiso	Nikkiso non-seal pump (sealless). This pump is new unused. still in original crate. Also called canned-motor pumps. Leak free pump best suited for use with chemical industry for metering critical chemicals/fluids. Nikkiso Non-Seal Pump Model HX22C-5 Item No 3027-1200-7, Designed for 30 gpm at 129.7 Ft TDH. Output 4.96 HP 460v 3/60 3600 RPM. Ready to load	New, Old Stock Illinois

Pump/Metering — 1 Items

Pulse pump Asset ID: PM-4560 Pulsatron	Pulsatron positive displacement pump, model Pulsatron. Size 304613 Used as a Pulse pump sn LPE4SA-PTC1-XXX.	Used - Very Good Vicksburg, MS

Pump/Peristaltic — 3 Items

Peristaltic Pump Asset ID: AF96 Larox	Larox Flowsvs peristaltic pump, capacity 0.33 gpm per revolution 150 psig max (max flow 35.2 gpm). Model LPP-T40. Hose connections 1.5". Size 1070 wide including motor x 742 deep x 664 tall. Gear motor is SEW gearmotor model KAF67 at 5.5 KW (7.5 HP). Used as transfer pump. Larox is now known as Flowrox. Material cast iron. These pumps incorporate an advanced rolling design which eliminates friction, maximizes hose life, and lowers energy consumption. Ideal for pumping abrasive, corrosive, viscous, or crystallizing slurries.	Used - Excellent Illinois
Peristaltic Pump Asset ID: AF15 Verder	Verderflex peristaltic pump by Verder. Model VF65 FCNBSS/S, serial 43260B6. Driven by gearmotor SEW 7.5 KW (10HP) at 1775 rpm inverter duty. Material cast iron body/cast iron rotor. Physical size 46.7mm x 32.3mm x 1000mm tall. Pumps at 1.5 gallons/rev. Flow capacity controlled by VFD and ranges from approx. 60 gpm at 75 psig to 90 gpm at 10 psig. See pump curves in Link. Maximum solids content 16.25mm compressible. Maximum lift is 9.5 mWc (meters water column)	Used - Excellent Illinois

Peristaltic Pump Asset ID: AF16 Verderflex	PC-31 Slurry Stock. Verderflex peristaltic pump by Verder. Model VF65, serial 43260E6. Driven by gearmotor Baldor 10Hp at 1760 rpm inverter duty. Gearbox ratio 38.4:1. Material cast iron body/cast iron rotor. Size 46.7mm x 32.3mm x 1000mm tall. Pumps at 1.5 gallons/rev. Flow capacity controlled by VDF and ranges from approx. 60 gpm at 75 psig to 90 gpm at 10 psig. See pump curves in Link. Maximum solids content 16.25mm compressible. Maximum lift is 9.5 mWc (meters water column)	Used - Excellent Illinois

Pump/Positive Displacement		19 Items
Gear Pump Asset ID: X2007	Small positive displacement pump (gear pump probably). Pump by FFA Pot	Unrated Mississippi
High Pressure Gear Pump Asset ID: 7628 Flowserve	Flowserve positive displacement rotary gear pump, Model 1.5GRM. Suction/Discharge 1-1/2" Shaft size 7/8". Last used for High pressure pump for votator, Flows to 1200 gpm at 500 psi. GR pumps provide high efficiency, pulse-free pumping, Ser no. 1162803CHP001A. Driven by Baldor 15 HP 230/460v 3/60 at 1160 RPM.	Used - Good Jacksonville, IL
Positive Dislacement Pump Asset ID: X2079	Positve displacement pump used as RDO pump	Unrated Mississippi
Positive Dispacement Pump Asset ID: X2020	Positive displacement pump, probably gear pump. Larger pump under glycerin coalescer	Unrated Mississippi
Positive Dispacement Pump Asset ID: X2049	Positive displacement pump. MRU pump.	Unrated Mississippi
Positive displacement Pump Asset ID: X2012	Viking positive displacement pump. Pump from Glycerin settler	Unrated Mississippi
Positive Displacement Pump Asset ID: 7139A Viking	Viking positive displacement pump. Model LL4124A. Size 3x3, LL4124 is rated up to 140 gpm. Includes 30 HP Reliance Electric motor @ 1765 RPM. 230/460V, 72.6/39.3A. Used - will need reconditioning. Price includes loading on your truck.	Used - Fair Grant City, MO
Positive Displacement Pump Asset ID: 7139I Viking	Bare pump - Viking Pump Model LQ4124R, Serial No. 1702284, Size is 2.5" inlet x 2.5" outlet, cast iron body with mechanical seal. Includes integral relief valve in head, Has gear unit. Nominal flow of 135 gpm,. Approx 125 gpm. Designed to be driven by 10HP motor but motor is not included (photo shows motor but it is not there). . Used - will need reconditioning	Used - Fair Grant City, MO
Positive Displacement Pump Asset ID: X2067 Gorman Rupp	Gorman Rupp positive displaceent pump. Used as Hydra Sep 2 Pump	Unrated Mississippi

Positive Displacement Pump Asset ID: X2046	Positive displacement pump. Settler pump.	Unrated Mississippi
Positive Displacement Pump Asset ID: X2019	Positive displacement pump - probably gear. Small pump located under glycerin coalescer	Unrated Mississippi
Positive Displacement Pump Asset ID: X2091	Positive dispacement pump, used as crude tank pump	Unrated Mississippi
Positive Displacement Pump Asset ID: X2092	Positive displacement pump used as oil dryer pump	Unrated Mississippi
Positive Displacement Pump Asset ID: X2059	Positive displacement pump used as MRU Bio Cooler South	Unrated Mississippi
Positive Displacement Pump Asset ID: X2054	Positive displacement pump used as a Knockout Pot Pump	Unrated Mississippi
Positive Displacement Pump Asset ID: X2065 Gorman Rupp	Positive displacement pump used as Hydra Sep 1 Pump	Unrated Mississippi
Positive Displacement Pump Asset ID: X2071	Positive displacement pump used as VLF Feedpump	Unrated Mississippi
Positive Dsplacement Pump Asset ID: X2082	Positive displacement pump used as settling tank 1 pump	Unrated Mississippi
Pump, lobe SS Asset ID: 5992 Waukesha	Sanitary positive displacement pump - stainless steel. Waukesha. Includes pump, motor, gearbox, baseplate - as unit. Last used for margarine production.	Unrated Jacksonville, IL

Pump/Progressive Cavity **1 Items**

Progressive Cavity Pumps (2) Asset ID: AF2 Seepex	Seepex progressive cavity pumps. Model BN 52-6L, Size 4" barrel x 4 ft long x 8 ft OAL. Standard Type N pump, Inlet/outlet 4"/4". Driven by 7.5 HP motor 3450 rpm with Nord gear reducer 16.25:1.for drive speed of 212 rpm. Pump at 212 rpm has capacity of 110 to 125 gpm. Minimal pulsation, uniform flow. High self priming capabilities. Positive displacement. Conveying capacities from 0.132 gpm to 2,200 gpm and pressures up to 1400 psi. See pump curve in Links. Quantity (2) - priced separately	Used - Excellent Illinois

Pump/Shear Pump		6 Items
High Shear Mixer Asset ID: X2096 IKA	High shear mixer, IKA	Unrated Mississippi
High Shear Pump Mixer Reactor Asset ID: 7528-1 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1903. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Used - Excellent Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-2 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1904. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-3 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1902. NEW old stock from 2007 - never used. . This shear pump and and motor were spare. Direct Drive inline shear mixer. Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. One of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	New, Old Stock Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-4 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1947. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-5 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1963. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. One of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated Athens, AL

Pump/Split Case	2 Items

Pump, Split Case Asset ID: 7412 Worthington	Worthington Split case pump. Model 5LN-22. Size is 8" x 5" - 22" Impeller, epoxy lined. Rated at 1250 gpm at 420 ft TDH. (Requires 250 HP motor 1775 rpm not included). See pump curve in document links This pump has been rebuilt and was never used after rebuild. Used as a back up fire pump so it is high head. Rebuilt by HydroAire Services job # 6082-12-11-11. Rotation: GREY pump looking at the shaft, rotation is counter clockwise. Note Worthington pumps are now backed by Flowserve. Bare pump only - Grey. Shipping dimensions 48 x 48 x 45" tall, 1350 pounds.	Reconditioned Illinois
Split Case Pump Asset ID: 6574 Aurora	Aurora Pump 8" split case centrifugal water pump. No. 91-10426, Type 411 SF. Size 8x8x11B. 2000 GPM. 120 Ft. head. 1750 RPM. Powered by a 75 HP General Electric motor. Model 5K365BL21502, S/N R66141250. 1780 RPM. 230/460V, 3 Ph., 60Hz, 175/88A.	Unrated Grant City, MO

Pump/Sump		4 Items
Sump Pump Asset ID: 1945 Pumpworks	Vertical sump pump by Pumpworks model 820. New - stored in warehouse as spare. Size 1.5x1-8 with 8" impeller. Material carbon steel, heavy duty configuration. Rated capacity 25 gpm at 58 ft TDH. Pump serial number 18-23305-8-1. Motor is Baldor 2 HP 1755 rpm 230/460 3/60 TEFC Frame 145TC	NEW Indiana
Vertical Centrifugal Sump Pump Asset ID: PC-7902 Goulds	Goulds centrifugal sump pump, model 3171. Size 4X6-11. Driven by 3 HP motor 460v 3515 rpm. Used as a Boiler Sump Pump.	Used - Good Vicksburg, MS
Vertical Centrifugal Sump Pump Asset ID: PC-7906 Goulds	Goulds centrifugal sump pump, model 3171. Size 4x6-11, capacity from 600 to 1000 gpm depending on head. Driven by 20HP motor 1365 rpm 460v. Used as a Main Collection Sump Pump #1.	Used - Good Vicksburg, MS
Vertical Centrifugal Sump Pump Asset ID: PC-7907 Goulds	Goulds centrifugal pump, model 3172. Size 4X6-11 capacity from 600 gpm to 1000 gpm depending on head. Driven by 20HP motor 1770 rpm 460v. Used as a Main Collection Sump Pump #2.	Used - Good Vicksburg, MS

Pump/Turbine Pump		3 Items
Vertical Turbine Pump Asset ID: P-4300D Johnston	Vertical turbine cooling tower pump. 3 stage design. Bowls are 14" dia, 10" pipe, 114" OAL. With 150 HP US Electric Motor. 460V, 167A, 60Hz, 1785 RPM. Built 2003	Used - Good Grant City, MO
Vertical Turbine Pump Asset ID: P-4300A Worthington	Worthington QL double suction vertical turbine cooling tower pump. Model 12QL147. 3 stage design with 16 inch discharge. Designed for 7,000 GPM @ 167' head. With 400 HP Siemens-Allis motor. 4000V, 52.8A, 60Hz, 3 phase, 1780 RPM. Pump and motor rebuilt in 2009. Idled since 2013	Used - Good Grant City, MO
Vertical Turbine Pump Asset ID: P-4300B Worthington	Worthington QL double suction vertical turbine cooling tower pump. Model 12QL147. 3 stage design with 16 inch discharge. Designed for 7,000 GPM @ 167' head. Incudes 400 HP Siemens-Allis motor. 4000V, 52.8A, 60Hz, 3 phase, 1780 RPM	Used - Good Grant City, MO

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

Pump/Vacuum Pump		4 Items
Vacuum Pump Asset ID: X2052	Vacuum pump. Located Next to MRU	Unrated Mississippi
Vacuum Pump Asset ID: X2086	Liquid ring vacuum pump. Used as oil vacuum dryer pump for oil dryer	Unrated Mississippi
Vacuum Pump Asset ID: X2015 Dekker	Dekker Duravane Titan series single-stage monobloc liquid ring Vacuum Pump, Model DV0150B-KA3. .Max vacuum level 29" Hg. Specs: 150 acfm, materials cast iron with ss316 impeller, 2.5" 150# flange connections, seal water flow rate 4.5 gpm, driven by 10HP motor 460v 3/60 1750 rpm. The pumps feature a variable discharge port design which adjusts automatically to the internal compression ratio of the vacuum pump resulting in maximum efficiency throughout the vacuum range. Advanced fluid dynamics result in high volumetric efficiency with 50% less seal-liquid requirement. Used as Stripper Vacuum Pump South	Unrated Mississippi
Vacuum Pump Asset ID: X2016 Dekker	Dekker Duravane Titan series single-stage monobloc liquid ring Vacuum Pump, Model DV0150B-KA3. .Max vacuum level 29" Hg. Specs: 150 acfm, materials cast iron with ss316 impeller, 2.5" 150# flange connections, seal water flow rate 4.5 gpm, driven by 10HP motor 460v 3/60 1750 rpm. The pumps feature a variable discharge port design which adjusts automatically to the internal compression ratio of the vacuum pump resulting in maximum efficiency throughout the vacuum range. Advanced fluid dynamics result in high volumetric efficiency with 50% less seal-liquid requirement. Used as Stripper Vacuum Pump North	Unrated Mississippi

Systems & Packages		2 Items
Evap System Asset ID: PK-6045 Unitech Titanium	Evaporator system rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 then operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inch OD tubes x 36 ft long; and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation. Price includes manual valves and selected ss304 and ss316 piping manifolds, and structural foundation for evap vessel and deaerator. Ladders, grating, and access steel also available.	Used - Excellent Saskatchewan
Scrubber System CO2 & Vent Gas Asset ID: PK-3201 SpecFab	CO2 Scrubber System. CO2 scrubber size: 60" ID x 31'-11" s/s tall, Vent gas scrubber size 48" OD x 31'-11" s/s tall. stack. Material ss304. Includes structural towers for both columns, Goulds 3196 size 1.5x3-6 PC-3201 centrifugal pump, Kice 15HP blower BL-3202, knock out pots, and all instrumentation and valves associated with this system. For a list of components, entrer pk3201 in search on web site.	Used - Very Good Vicksburg, MS

Systems & Packages/Distillation		5 Items
Brine Distillation System Asset ID: 1725 RCC GE	GE brine crystallizer system for zero liquid discharge. Was originally RCC system built in 2006. Decommissioned in 2011. Complete system consisting of deaerator, crystallizer (approx 96 inches OD x 28 ft tall), rinse and waste tanks, APV plate heat exchanger, 5 Goulds pumps. Still installed. See links for drawings, P&ID and Process Flow Diagrams. We have drawings of major pieces of equipment on request. Price quoted incudes contractor removal and loading estimate and is subject to change.	Used - Good MN

Distillation System - Corn Oil/Ethanol Asset ID: VR2 SRS	**Distillation System - for Corn Oil/Ethanol/Water Separation** Skid mounted distillation system designed to remove ethanol and water from corn oil. Design capacity 10 gpm with infeed composition 95% oil and max 5% water/ethanol. Results: Corn oil output with 1000 ppm water max. • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS SRDX-600 flash distiller packed column 3 ft dia x 15 ft tall. Serial number 022619 • Two 150 gallon tanks • Vacuum pump • Two centrifugal pumps • Four plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Spec'd for 19 gpm of ethanol/water flashed to azeotrope See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.	NEW Texas
Distillation System - Ethanol/Water Asset ID: VR1 SRS	**Distillation System - for Ethanol/Water Separation** Skid mounted distillation system designed to remove ethanol from water. Design capacity 7 gpm with infeed composition 40% ethanol, 60% water, 7% phosphorus. Results: Water with less than 1% ethanol. • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS SRFX-400 flash distiller packed column 3 ft dia x 17 ft tall, serial number022519 • Two stainless tanks, 150 gallon and 300 gallon • Vacuum pump • Two centrifugal pumps • Five plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Spec'd for 3 gpm of fatty acid/ethanol See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.	NEW Texas

Distillation System - ffa/Ethanol/Water Asset ID: VR3 SRS	**Distillation System Enhancement - for ffa/Ethanol/Water Separation** Skid mounted distillation system designed to remove ethanol from water. This skid was designed to be added to back of skid VR2 to further reduce the water content of the ethanol to 500 ppm-1000 ppm range. However, can also be a stand alone skid for reducing water/ethanol in other oil processes. • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS flash distiller column 14 inches dia x xx ft tall, serial number 00619 • One stainless tanks 2 ft dia • Two centrifugal pumps • Two plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Spec'd for 19 gpm of ethanol/water flashed to azeotrope See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.	NEW Texas
Glycerin Methanol Recovery Unit Asset ID: 2362 Harvest Energy	**Glycerin Methanol Recovery Unit (GMRU) - Flash Distillation** Manufactured by Harvest Energy - was installed and running at 4MGY Biodiesel Plant. Like New. • Skid mounted flash distillation system • Designed at 2 gpm currently • Can be upgraded to 5 gpm by the manufacturer for $18,000 additional over quoted price • Flash distillation column is 30" OD x 116" T/T rated at MAWP 50 psia/full vacuum. Carbon Steel • Previously installed in a biodiesel plant in 2013, ran consistently until removal in 2019 • This distillation unit has been blasted and repainted in 2020 - still idle. • Two Structural steel skids - Footprint size approx 19'-4" x 8'-6" • See the P&ID and Equipment list in Document Link for details on all equipment System operates on a principal of distillation by vaporizing the methanol and water, then condensing it in a series of heat exchangers. Condensed methanol is held in a full vacuum vessel and pumped out via a rotary gear pump. Entire system operates under extreme vacuum conditions 25 – 30” Hg. Full vacuum affords process advantage by lowering vaporization temperature of methanol and providing carrier motive to pull vaporized methanol from glycerin and force it into condensers	Like New Nevada

Systems & Packages/Dryer - Cooler		2 Items
Fluid Bed Cooler & Baghouse Asset ID: PK-FBST-31 GEA Barr Rosin	GEA Barr Rosin static fluid bed cooler package for ring dryer. Size 7 ft W x 19 ft L x 18 ft OAH. Includes fluid bed cooler, baghouse filter and ducting. (See also asset # FBAG-31) Sized for 22,100 cfm. Weight 15,800 pounds. Still installed.	Used - Very Good Vicksburg, MS

Ring Dryer Asset ID: DR-5201 Barr Rosin	**Ring Dryer, GEA Barr-Rosin** Used for drying wet cake DDGS but can be used to dry almost anything – such as hemp or other grains. Dries material from 65% moisture to 11% moisture, evap rate 66,463 #/hr. This dryer was designed to handle 112,861 wet infeed at 65% moisture and 440,000 #/hr dry recycle material. This design lends itself well for varying flows and moistures, and precludes clogging or clumping. Comes with Lo-Nox main burner natural gas fired 83 MMBTU, a 1200HP main fan, 2 combustion/exhaust fans 150HP, Fluid Bed Cooler and Baghouse, (2) paddle mixers, (9) drag and screw conveyors, (4) rotary valves, (4) cyclones, disintegrator. Designed for 67,109 #/hr wet grain + 45,752 #/hr syrup IN = 46,398 #/hr OUT Evap rate 66,463 #/hr Fan: 189,339 scfm 1300HP. Burner heat 83.1 MMBTU. See data sheet, P&ID, and GA in Links. Still installed. For list of components and their photos & description enter dr5201 in search box on web site	Very Good Vicksburg, MS

Systems & Packages/Edible Oil		2 Items
Bleacher - 150 TPD Stainless Asset ID: 5718 DeSmet	DeSmet stainless steel vacuum bleacher for continuous bleaching. Total capacity is 150 tons per day. Size 5' diameter with 3.5" insulation, 14' tall. Demister pad section 4' diameter x 5' tall. OAH 19 feet. Includes 2 Krohne stainless steel mechanical flowmeters, one 1" and one 2". Includes additional side mounted small vessel and RTD for level control. Small vessel dimensions 1' diameter x 8' tall with 2" inlet. Includes 2 Masoneilan stainless steel 2" pneumatic control valves. Vacuum unit not available. Includes operators manual. Idled 2014. We have quoted removed and loaded but removal is an estimate. If serious, we can get a quote.	Kingston, Jamaica

Fractionation System 118 MTPD Asset ID: PK-1200 DeSmet	**Fractionation Systems Pressure 30 bar - for Edible Oil** • TWO complete systems including all tanks, pumps, heat exchangers, fitters, and controls. Includes all piping and everything in this room. **78 MTPD System** Fractionation system - supplied by DeSmet, rated at 30 bar (450 psig). System built 1997. Includes (18) vertical crystallizers and Industrieterren membrane filter (made in Belgium) with 69 plates polypropylene. Capacity 78 MTPD based on first fractionation Palm Oil – OR - 18 MTPD OUTPUT based on 2nd Fractionation = 10.5 million pounds product + 3.5 million pounds by-product. Capacity will vary depending on type of operation and oil. • Membrane filter for fractionation, made by Industrieterrein Wijngaardveld AALST, Belgium. Serial 150 10. Type OGFP1500, rated at 30 bar. Has 69 plates, 1500mm x 1500mm. Filter cake volume = 2,875 liters (759.5 gallons). Filter area 255 sq m, with 25mm cake per cavity. Automatic with plc operator interface, on-board hydraulic system with dual acting cylinder. J4744 **40 MTPD System** Fractionation system - supplied by DeSmet. System built 2000. Includes (6) vertical ss crystallizers and Filox membrane filter (made in Germany) with 36 plates polypropylene. Capacity 40 MTPD based on 1st fractionation Palm Oil – OR - 5 MTPD OUTPUT based on 2nd Fractionation = 2.5 million pounds product + 1.5 million pounds by-product. Capacity will vary depending on type of operation and oil. Stainless steel trough and auger system. Includes all tanks, pumps, electrical, and control systems. • Filox membrane filter for fractionation, rated at 30 bar (450 psig). Made by Filox - Filtertechnik Gmbh, Germany. Type MKF150-36-250H, serial 2117. Has 36 polypropylene plates, 1500mm section - cake volume 1500 liters, cake thickness 25mm, 40.5 sq m filter surface area. Automatic with plc operator interface, on-board hydraulic system with dual acting cylinder. Hydraulic unit 15HP. Size 6535mm long x 2820mm wide x 2610mm tall, weight empty 34,785 kg. J4747	Used - Very Good Mexico

Systems & Packages/Slurry & Recirculation		2 Items
Slurry Tank, Rectangular Asset ID: AF17	Slurry tank mixing and pumping system. TK-46 Backwater Tank. Stainless steel rectangular tank with 2 pumps at top. Size of tank is 4 ft x 4 ft x 3 ft tall. OAH 84". Two pumps are Penguin immersible pumps Model PX-15AK-HF driven by 15HP motor. Pump A has 15HP motor at 2850 rpm and pump B has 15HP motor at 3450 rpm.	Used - Very Good Illinois
Water Recirc System Skid Asset ID: AF97 Outotec	Slurry tank system consisting of skid with vertical stainless steel tank, (2) Grundfos pumps. SS skid size is 98" x 68" x 84" tall. No agitation - Tank size is 5 ft dia x 6 ft tall for capacity of 850 gallons. Flat bottom, dish top with hinged manway lid. (atmospheric). Grundfos pumps are CRN15-08 A-FGJ-G-E-HOQE. Model A96127009-P11101551 designed for 90 gpm at 528 ft hd. Turning at 3444 rpm. Motor is 15 HP 3500 rpm 460/3/60. Supplies pressing water to Outotec Larox PF1.6 filter system. Part of Outotec Laroc Pressing System	 Illinois

Tank, Poly	2 Items

Large HCL Tank Poly Asset ID: X2024 Sii	Vertical poly tank. Flat bottom. Last used as HCL acid tank.	Unrated Mississippi
Poly Tank Asset ID: X2023	Vetricla poly tank, flat bottom, Last used as HCL acid poly tank.	Unrated Mississippi

Tanks & Pressure Vessels/Carbon Steel		**43 Items**
Air Receiver Asset ID: X2033 Steelfab	Air receiver tank. ASME MAWP 165 psig. East Receiver.	Used - Very Good Mississippi
Air Reciever Asset ID: X2034 Steelfab	Air receiver tank. ASME MAWP 165 psig. West Receiver.	Unrated Mississippi
Caustic Tank Asset ID: TK-7701 Columbian Tectank	Vertical tank carbon steel insulated. API 650 rated at 0.5 psig at 300F. Size is 9'-6" dia x 19' for a capacity of approx 10,030 gallons (9,810 nominal). Sn 07-4557. Used as Caustic Tank.	Used - Fair Vicksburg, MS
Chilled Water Return Tank Asset ID: TK-7103 Columbian Tectank	Vertical tank API 650 CS atmospheric tank rated at 2.5 psig at 200F. Size is 9'-6" dia x 18'-11" for a capacity of approx 10,000 gallons. sn 07-4556. Cone top, flat bottom. With ladder and 16" vent, side entering 24" manhole. Material is CS. Used as Chilled Water Return Tank. See link for drawing.	Used - Good Vicksburg, MS
Cone Bottom Tank, Insulated Asset ID: X2004	Vertical carbin steel tank on legs, insulated. Slight cone bottom. Side entering manhole. Last used as Glycerin Still South	Unrated Mississippi
Cone Bottom Tank, Insulated Asset ID: X2005	Vertical carbin steel tank on legs, insulated. Slight cone bottom. Side entering manhole. Last used as Glycerin Still North	Unrated Mississippi
Horizontal Tank Asset ID: X2008	Horizontal carbon steel tank, slight dish ends. Side and end manholes. Glycerin Settler 221	Unrated Mississippi
Horizontal Tank Asset ID: X2080	Horizontal carbon steel tank, insulated. Used as Settling Tank 2	Unrated Mississippi
Horizontal Tank Asset ID: X2081	Horizontal carbon steel tank, insulated. Used as Settling Tank 1	Unrated Mississippi

Horizontal Tank Asset ID: X2044	Horizontal carbon steel tank, insulated - used as a biodiesel settler tank,	Unrated Mississippi
Horizontal tank Asset ID: T-7	Horizontal carbon steel tank with internal weir wall, insulated on saddles. Approx size 3.5 ft dia x 26 ft long for capacity 1880 gallons. Used as First Pass Decanter Tank with Weir Wall for separation of Glycerin. Part of Biodiesel Plant PK-1800	Unrated Morristown, IN
Horizontal Tank with Weir Asset ID: T-107	Horizontal carbon steel tank, insulated on cradles. Include internal weir. Size approx 3.5 ft dia x 26 ft for 1880 gallons. Used as Decanting tank with weir wall for separation, Part of Biodiesel Plant PK-1800 -	Unrated Morristown, IN
Hydrasep Oil/Water Separator Asset ID: X2066 Hydrasep	Hydrasep Oil/Water Separator. Horizontal, carbon steel, insulated. Serial number 5000119. Volume 1,184 gallons. Atmospheric pressure. Hydrasep 2	Unrated Mississippi
Hydrasep Oil/Water Separator Asset ID: X2064 HS-1000-BD	Hydrasep Oil/Water Separator. Horizontal, carbon steel, insulated. Hydrasep 1	Unrated Mississippi
Knock Out Pot, FFA Asset ID: X2006	Knock Out Pot for FFA (free fatty acid)	Unrated Mississippi
Knockout Pot Asset ID: X2055	Vertical carbon steel knock out pot.	Unrated Mississippi
Mix Tank 4500 gallon Asset ID: T-508	**Mix Tank With Agitator** Vertical mix tank. Carbon steel on legs. Size approx. 8 ft dia x 12 ft high for about 4,500 gallons on 2 ft legs. OAH approx. 17 feet. Atmospheric tank - no pressure rating. Built by Lowe-Mar Mfg. Co. Serial number 95039-1. Top entering agitator with 2 triple blade sets. Philadelphia agitator. See Asset T-408 for second identical tank	Unrated Athens, AL
Mix Tank 4500 gallon Asset ID: T-408 Lowe-Mar Mfg Co	**Mix Tank With Agitator** Vertical mix tank. Carbon steel on legs. Size approx. 8 ft dia x 12 ft high for about 4,500 gallons on 2 ft legs. OAH approx. 17 feet. Atmospheric tank - no pressure rating. Built by Lowe-Mar Mfg. Co. Serial number 95039-2. Top entering agitator with 2 triple blade sets. Philadelphia agitator. See Asset T-508 for second identical tank	Used - Good Athens, AL
Powder Mix Tank Asset ID: TK-22 Wehrhahn	Universal Mixer. Vertical Powder mixing vessel with 2HP top entering agitator and side door. Number 10-066-109, type 2619.000. Mfg 2014. Size 6 ft dia x 7 ft tall seam to seam, approx 1500 gallons. Flat top, dish bottom. Top entering agitator with one set of 4-blades at bottom. Agitator gear box has cooler heat exchanger on oil, recirculated. Side lug mounts. Gasketed door on side. Mfg by Wehrhahn	Used - Very Good Illinois
Seal Pot Asset ID: X2011	Seal Pot	Unrated Mississippi

Slurry Mix Tank Asset ID: AF6 Wehrhahn	Mixing Tank. Vertical agitated carbon steel tank, insulated. Size approx 28" dia x 70" tall on 16" legs. Agitator is approx 3.5 ft above top of tank. OAH is approx 10.5 ft. Open top, flat bottom. 125 gallon tank. Top entering agitator is 30 HP with one set of blades. Can be used as liquid or powder mix slurry tank	Used - Very Good Illinois
Slurry Tank Asset ID: TK-40 Wehrhahn	Homogenizer. Slurry tank. Agitated vertical carbon steel tank on legs. Size 38" dia x 6 ft s/s with 21" legs. Capacity approx 340 gallons. Open top/dish bottom. Agitator is top entering and is 36 inches higher than tank top. OAH approx 10.75 ft. Agitator has two sets of 2-blade propellers at mid and at bottom. Motor 5HP. Can be used as liquid or powder slurry tank.	Used - Very Good Illinois
Slurry Tank Asset ID: X2073	Slurry Mix Tank. Vertical carbon steel tank on legs. Usewd as precoat tank for filter presses.	Unrated Mississippi
Slurry Tank Asset ID: X2075	Slurry Tank, vertical carbon steel tank used as slurry tank for filter press.	Unrated Mississippi
Slurry Tank, Powder Asset ID: TK-10 Wehrhahn	Cellulose Dispenser. Vertical carbon steel tank, agitated. Size 60" dia x 108" s/s with 28" legs. Capacity is approx 1300 gallons. Agitator is 36" higher than tank. OAH = 108+28+36. Flat top with half tank hinged cover, dish bottom. Includes radiator for hydraulic line cooling of gear reducer. Agitator gearmotor is SEW RM107/A 01/715687601.0001.14. rpm 1782 in/362 out. Has Endress Hauser level transmitter. Agitator has one set of 4-blades at bottom. Was used as cellulose dispensing tank, can be used as slurry tank. Has 4" flanged outlet. Tank has side opening door.	Used - Very Good Illinois
Small Vertical Tank Asset ID: X2014	Meth Oxide buffer tank	Unrated Mississippi
Soft Water Tank Asset ID: TK-7301 Baker	Carbon steel vertical tank, approx size 15 ft dia x 23'-10" tall for a capacity of 750 bbl (31,500) gallons. Material SA-36 coated 100%. Includes vertical ladder and platform at top, handrails 360 degree. Side manhole, flat bottom. Built 2016 - idled 2019. Weight empty approx 18,085 pounds. Last used as a soft water tank in boiler area. Part of boiler feedwater system PK-1111 but can be sold separately	Used - Very Good Vicksburg, MS
Vertical Tank Asset ID: X2045	Vertical carbon steel tank on legs. Approx size 2 ft dia x 4 ft tall - capacity. Measurements must be verified. Located Next to Settler	Unrated Mississippi
Vertical Tank Asset ID: X2078	Vertical carbon steel tank on legs, top entering agitator. Used as RDO Tank	Unrated Mississippi
Vertical Tank Asset ID: X2068	Vertical carbon steel tank, on legs, insulated. Top entering agitator. Used as Wash Tank North	Unrated Mississippi
Vertical Tank Asset ID: X2069	Vertical carbon steel tank, on legs, insulated. Top entering agitator. Used as Wash Tank South	Unrated Mississippi
Vertical Tank 12,000 gallon (3) Asset ID: 8246 Southern Tank	Vertical carbon steel tank, flat bottom/top. Nominal 12,000 gallons. Size approx 12 ft dia x 15 ft tall. 12,690 gallon capacity. T-116 is atmospheric. T-113 and T-114 are 15 psig @ 150F. Weight 10,100 pounds. Qty (3) available - priced separately.	Unrated Athens, AL

Vertical Tank 29,000 gallon Asset ID: 1997 Agri Process Innovations	**Vertical carbon steel tanks 29,000 gallon capacity** • Selling as a "LOT" of 10 tanks • Tank size is 11 ft - 9 in diameter x 36 ft tall with 1/4 inch wall. • All tanks have a top mounted radar level detector and transmitter • Flat bottom/slight cone top with gooseneck vent. • Designed as atmospheric tanks to UL 142 specification for above ground, flammable liquid storage tanks. • Tank design by Agri Process Innovations (API) as part of the biodiesel plant design. See drawing in Document Link • 10 tanks total: One tank is not insulated and stored methanol. The other 9 tanks stored vegetable oil feedstock or B100 biodiesel. • 9 tanks have insulation, side entering agitator, and side entering immersion heater. They are insulated with aluminum cladding and have a side entering Chromalox electric unitary immersion heater and a ProChem side entering agitator. Chromalox heater is 6 KW 480v 3/60. Catalog number RST0X-10806XX, part number 157-122216-082. Shipping dimensions are approx 12.5 ft x 12.5 ft x 38 ft long. Approx weight on non-insulated tank is 15,000 pounds. Approx weight of each insulated tank is 22,000 pounds. We have priced for the LOT of 10 but are open to selling in smaller quantities.	Used - Very Good Hayti, MO
Vertical Tank 3800 gallon Asset ID: 8324-2 Southern Tank	Carbon Steel Tank, vertical. Size 6 feet diameter x 18 feet tall. 3800 gallon capacity approx. Was used as Active Filtration Tanks. Atmospheric. Weight approx 5,000 pounds. T-308	Unrated Athens, AL
Vertical Tank 3800 gallon Asset ID: 8324-3 Southern Tank	Carbon Steel Tank, vertical. Size 6 feet diameter x 18 feet tall. 3800 gallon capacity approx. Was used as Active Filtration Tanks. Atmospheric. Weight approx 5,000 poundsT-309	Unrated Athens, AL
Vertical Tank 8300 gallon Asset ID: 8324	Carbon steel vertical atmospheric tank. Flat bottom/top, size approx 7 ft 9 in diameter x 23 ft 8 in tall. 8,350 gal capacity. Was used as Glycerin Storage Weight approx 8300 pounds. Tank. T-207	Unrated Athens, AL
Vertical Tank, cs Asset ID: TK-7704 Columbian Tectank	Vertical tank API 650 carbon steel, rated at 0.5 psig at 200F. Size is 14'-11" dia x 28'-8" for a capacity of approx 37,475 gallons (36,930 nominal). Atmospheric tank. Flat bottom, cone top, vertical ladder and handrail at top, side manhole. Ser num 07-4558. Used as ammonia Tank.	Used - Good Vicksburg, MS
Vertical Tank, Insulated Asset ID: X2002	Vertical carbon steel tank, insulated. Flat bottom. Last used as Glycerin Tank South	Unrated Mississippi
Vertical Tank, Insulated Asset ID: X2003	Vertical carbon steel tank, insulated. Flat bottom. Last used as Glycerin Tank North	Unrated Mississippi
Vertical Tanks Asset ID: X2090	Vertical carbon steel tanks, on legs. Biodiesel process tanks - crude tanks. Qty (2) - priced separately	Unrated Mississippi
Vertical Tanks 27,350 Gallon Asset ID: 2366	Vertical carbon steel tanks 27,350 gallon capacity. Insulated, On legs - Approx size 11'-9" diameter x 31' s/s on approx 3 ft legs for OAH approx 36 ft. Dish bottom, dish top. Service has been biodiesel B100. Final dimensions would have to be verified on purchase. Quantity (2) tanks - priced separately. Allow 2 to 4 weeks for removal and loading	Unrated Mississippi

Vertical Tanks 30,000 Gallon Asset ID: 2365 Agri Process Innovations	Vertical carbon steel tanks 30,000 gallon capacity. Approx size 11'-9" diameter x 37'-7" tall. Flat bottom, slight sloped top. Most if not all of these tanks are designed by Agri Process Innovations and built by SteelTank in conjunction with a biodiesel plant and held biodiesel or glycerin. See the drawing in Document Link - final dimensions would have to be verified on purchase. There are 16 tanks as described below. Priced separately. Allow 2 to 4 weeks for removal and loading • Vertical Tanks - Quantity (5): not insulated, flat bottom, slightly sloped top, side manhole. • Vertical Tanks - Quantity (3): not insulated but they have angle iron clips installed for insulation, flat bottom, slightly sloped top, manhole on side • Vertical Tanks - Quantity (8): Insulated with aluminum sheathing, flat bottom, slightly sloped top, manhole on side	Unrated Mississippi
Water Seperator Tank Asset ID: X2063	Water separator tank, carbon steel rectangular. Open top	Unrated Mississippi

Tanks & Pressure Vessels/Fiberglass		2 Items
Vertical Fiberglass Tank Asset ID: X2001 Belding Tank Technologie	Vertical fiberglass tank, flat bottom/top, side entering manhole designed for atmospheric pressure. Designed for sodium silicate solution at specific gravity 1.5. Last used for HCL (hydrochloric acid)	Unrated Mississippi
Vertical Tank 20,000 gallon Asset ID: 2082	Insulated fiberglass vertical tank, Size 12 ft dia x 23 ft seam to seam with dish bottom for capacity of 20,219 gallons. Flat top/dome bottom, side entering manhole. On 52 inch legs for 27'-10" OAH. Atmospheric tank designed for grease/ethanol/water service. Resin material: Liner: Isophthalic, Structural: Orthophthalic. Insulation is 2" foam around sides, bottom dome and top. These tanks were bought new for a project - never used. See drawing. Qty (2) - priced separately.	NEW Texas

Tanks & Pressure Vessels/Pressure Vessel		15 Items
Air Receiver Pressure Tank 200 Gallons Asset ID: AF1 Manchester	Air receiver by Manchester Tank. Vertical on base. Size 28" dia x 55: s/s on base for 78" OAH. Capacity 200 gallons. ASME Nat'l Bd # 270535 MAWP 300 psi at 400F. Also CRN certified.	Used - Very Good Illinois
Condensate Flash Tank Asset ID: VS-7201 SpecFab	Steam Condensate Flash Receiver mfg by SpecFab. Sn 93x. ASME MAWP 150 psig internal pressure/FV at 400 F. Material carbon steel SA-516-70. Physical size 59" ID x 11' 4" s/s x 0.375 thk. On 5 ft 10" legs. Approx 19 ft 6 in OAH. Insulation 3 inches. Approx capacity 1,937 gallons. Used as Steam Condensate Flash Receiver.	Unrated Vicksburg, MS
Condensate Receiver Asset ID: VS-4205 Wheeler Tank	Vertical condensate tank on legs mfg by Wheeler tank sn 11746. ASME NB # 15765 MAWP 150 psig at 450F.	Unrated Vicksburg, MS
Condensate Receiver Asset ID: X2042	Condensate receiver. Located Next to Control Room	Unrated Mississippi

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Listed in Category Order. Click on an Asset Name for more details.

Flash Tank Drum Asset ID: 31-V-156 PPV Precision Pipe & Vessel	Steam Flash Drum to atmospheric. Manufactured by Precision Pipe & Vessel in 2009. ASME rated MAWP 150/FV T 250F. Material carbon steel. Part of Absorber & cleanup module FP311	Used - Very Good Soperton, GA
Horizontal Decanting Vessel Asset ID: V-1506 Confab	Horizontal carbon steel pressure vessel. Decanter and Liquid Knock Out. Built by Confab s/n 64866. ASME Nat'l Bd# 28, rated at 184 psig at 350F (1269 kpa at 177C). Approx size 6.5 ft dia x 18 ft long T/T for 4,468 gallon capacity. Weight: Approx. 12000-15000 lbs. Last used as Decanter in ethanol plant - see schematic link. Insulation has been removed. Price includes removal and loading - ready now to load	Good Grant City, MO
Knock Out Pot Asset ID: ME-3203 Specfab	Knock out pot Mfg by SpecFab, vertical stainless steel. MAWP 14 psig, Serial number 101. Used as a knock out pot to protect blower BL-3202 CO2 scrubber system. Still installed.	Used - Good Vicksburg, MS
Knock Out Pot Asset ID: VS-3201 Jogler	Vent Gas Knock-out pot mfg by Jogler. Rated at FV psig external pressure and 50 psig internal pressure at 150 F. Material 304/L SS. Used as vent gas knock out pot. Sn1802268. Part of complete package including blower, pump, structural, see asset PK-3201. For a list of components, enter pk3201 in search on web site.	Used - Good Vicksburg, MS
Oil Separator Tank ss Asset ID: VS-4204 SpecFab	Vertical stainless steel tank mfg by SpecFab. Size 14" dia x 5 ft s/s for capacity of approx 55 gallons. ASME NB# 72 MAWP 205 psig at 300F. Mfg sn 90. Material SA-312-TP304. See drawing and data sheet in Links. Used as Fusel Oil Separator.	Used - Good Vicksburg, MS
Steam Blowdown Drum Asset ID: 41-V-630 PPV Precision Pipe & Vessel	Steam drum manufactured by Precision Pipe & Vessel in 2009. ASME MAWP 150 psig/FV at 550F, Nat'l Bd# 893, s/n CV-0893. Material is SA312-TP347. Physical size is 24"dia x 8'-6" s/s, OAH 11'-10" for capacity of 185 gallons. Used as a steam blowdown drum	Used - Very Good Soperton, GA
Steam Drum Asset ID: 41-V-180 Nebraska Boiler	Steam drum by Nebraska Boiler, built 2009. Horizontal, ASME Nat'l Bd# 877, MAWP 800 psig/FV at 350F, Stainless steel SA-312-304. Physical size 42" dia x 120" s/s x 0.5" shell (11'-3" OAL) for 107cf or 720 gallons. Used as Catalytic Converter steam drum. Part of Catalytic Converter module FP411	Used - Very Good Soperton, GA
Sulfur Guard Bed Vessel Asset ID: 41-V-196 PPV Precision Pipe & Vessel	Sulfur guard bed vertical vessel. ASME Nat'l Bd 897, MAWP 1650 at 550F, s/n CV-0891 . Mfg by Precision Pipe & Vessel in 2009 - used only 42 days - like new. Material is carbon steel SA-516 70N. Physical size is 4' dia x 14'-4" s/s, approx 23 ft OAH for a capacity of 1410 gallons. Loaded with Haldor Topsoe HTZ-4 sulphur absorption catalyst.	Used - Very Good Soperton, GA
Vacuum Pressure Tank Asset ID: X2087	Vertical carbon steel pressure tank (vacuum) used as oil dryer	Unrated Mississippi
Vertical Pressure Tank Asset ID: X2061	Vertical carbon steel pressure tank used as VLF Break Tank	Unrated Mississippi

Vertical Tanks ss Asset ID: 1966 Tanks USA	Vertical insulated stainless steel tank, working capacity 5,548 gallons (21,000 liters). NEW - still at factory in China. Tank is stainless 316 with insulation and ss304 cladding. Tanks are designed for and built to ASME at an internal design pressure 7.5 bar (112.5 psig) and a working pressure of 6.5 bar (94.25 psig) although they are not certified by ASME. On legs for OAH 7892 mm (25.9 ft). Flange connections are metric 200mm pipe RF flange. Side 500mm manhole. Tanks were for a project that wasn't built. On factory floor now as surplus, ready to ship. Priced as each tank. See tank drawing.	NEW China

Tanks & Pressure Vessels/Stainless		28 Items
190 Proof Receiver Asset ID: VS-4206 WINBCO	Vertical tank mfg by WINBCO sn 11596. Stainless ss304. Size approx 9'-6" ID x 12' s/s, On skirt. ASME Nat'l Bd 735, MAWP Rated at -15 psig external pressure and 50 psig internal pressure at 300 F. Insulated. Material SA-240-304.Nominal capacity 7400 gallons (7,465 full). Used as 190 Proof Receiver. Still installed, removal extra	Unrated Vicksburg, MS
Beer Well Tank Asset ID: TK-3108 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 59' dia x 48' for a capacity of approx 883504 gallons. Sloped bottom, top entering agitator. Material is SS304 Used as Beer Well Tank sn07235. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Fermenter Vertical Tank 1 Asset ID: TK-3104 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 1 Tank sn07231. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Fermenter Vertical Tank 2 Asset ID: TK-3105 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 2 Tank sn07232. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Fermenter Vertical Tank 3 Asset ID: TK-3106 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 3 Tank sn07233. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Fermenter Vertical Tank 4 Asset ID: TK-3107 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 4 Tank sn07234. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Flash Tank Asset ID: TK-2304 Winbco	Vertical tank stainless 304 rated at Full vacuum psig at 212F. Size is 6' ID x 9' s/s for a capacity of approx 1834 gallons. Insulated, Dome top, dome bottom, on cs skirt 7 ft tall. OAH = 17 ft 8 in. Has baffle and vortex breaker. 24" flanged manway, 10" inlet, 16" vapor outlet, 12" discharge. Material is SS304, sn11595 Used as CO2 Flash Tank.	Used - Good Vicksburg, MS
Horizontal Tank, ss Asset ID: 2049	Horizontal stainless steel tank, on saddles. Size 67" dia x 94" long for capacity of 1,800 gallons.	Used - Very Good Northern US
Liquefaction Tank Asset ID: TK-2201 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 190F. Size is 24-9 dia x 48' tall for a capacity of approx 155,473 gallons. Material is SS304. Insulated, sloped bottom. Includes vertical ladder and handrails around on top. Has top entering Ligntnin agitator with angle drive gearbox. Lightnin model 77C30 driven by 30HP motor 1200 rpm 460/60/3. Gearbox output is 38.5 rpm. Shaft and blades ss304/ss316. Has 3 sets of 3 propellers and a steady bearing. Distance from 18" flange to steady bearing is 615 inches. Used as Liquefaction Tank sn 07243.	Used - Very Good Vicksburg, MS

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Listed in Category Order. Click on an Asset Name for more details.

Slurry Mix Tank Asset ID: TK-2101 Columbian Tectank	Vertical tank stainless API-650 rated at 2.5 psig at 190F. Size is 14' ID x 32' s/s, with top OAH = 35.25 ft tall for a capacity of approx 38400 gallons. Sloped bottom, Cone top. Insulated, side entering manhole, ladder Material is ss 304 insulated. Atmospheric. Has top entering agitator, Lightnin Model 780C150 with angle drive 150 HP motor 1750 rpm 460/3/60. Agitator gearbox is 17.4:1 for mixer rpm = 100 rpm. Mount is 20 inch flange, 5" shaft ss316) 422" long from flange to steady bearing. Has 3 sets of propellers with blades 4/3/3. Propeller lengths 63"/56". Used as Slurry Mix Tank sn 07-4551. We have drawing of agitator - see LINKS.	Used - Very Good Vicksburg, MS
Slurry Tank ss Asset ID: 7450 Sylacauga Tank Corp.	1,000 gallon 304 SS slurry tank. Built 1992 by Sylacauga Tank Corp. SN #7088, atmos. Service. Three tier turbine 304 ss agitator and side mounted baffles. Vessel has a flat top, and dish bottom and mounts vertically by lugs. Diameter is 64" x 74 " straight side. Shell and bottom thickness is 0.188", Dish radius is 57, head thickness is 0.313". Tank has a 2" center bottom outlet and a 2.5" weld neck outlet at the top of the side for overflow. Top Openings include the following: Two 8" weld neck flanges, Two 2" flanges, One 3" flange, Three connections, flanged form 1" through 1 & 3/4". Vessel also has an eight inch opening with a product screen,(4x4) and an access door18" x 24" with hinges. Agitator drive is by Lightnin, Model 74C, 7.5, 31-1 drive ratio, 56 rpm output shaft, 7.5 hp motor, Mixer features a reliance motor 1775 rpm, 7.5 hp, 3 phase, 60 hz, 460 v.	Unrated South Carolina
Square Tank, ss Asset ID: 2048	Square stainless steel tank,reinforced sides. Size is 111" x 111" x 160" high - on legs for OAH 220". Atmospheric tank. Capacity approx 8500 gallons. Material ss304. Used for pure ethanol storage food grade. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Thin Stillage Collection Tank Asset ID: TK-5101 Gilbert Industries	Vertical tank SS304 rated at 2.5 psig at 300F. Size is 12' dia x 8' tall for a capacity of approx 4400 gallons. Material is SS304. Flat bottom, dome top, insulated with 3 inch mineral wool, 24" side entering manhole. Used as Thin Stillage Collection Tank sn GI140048.	Used - Good Vicksburg, MS
Vertical Pressure Tank ss Asset ID: 7452 Union Carbide	5,562 Gallon, 304SS vertical pressure tank, Manufactured by Union Carbide, National Board number 2650, Serial Number 906013, rated 90 psi @ 0 to 300 degrees F. 96" OD x 14' straight side, welded dished heads, .406" shell thickness, .526" head thickness, with wire mesh pad in bottom head of tank. Openings include: Top - (1) 18" with bolted cover, (1) 2", (1) 6", (1) 1", (1) 3"; Side - (2) 18" manways with bolted covers; (1) 6" center bottom outlet. Mounted on 4 legs. Total Weight 15,500#	Unrated Florence, SC
Vertical Tank Asset ID: TK-5109 Gilbert Industries	Vertical ss tank, insulated, on legs. Gilbert sn G1150011. Atmospheric tank rated at 0.36 psi at 180F. Dimensions unknown - capacity unknown. Material ss304. Used as Thin Stillage Screen Tank. Still installed, removal extra.	Unrated Vicksburg, MS
Vertical Tank Asset ID: TK-5102 Baker Tank	Vertical tank stainless steel 304 AP 650l rated. MAWP at 0.25 psig at 300F. Size is 28'-6" dia x 38' for a nominal capacity of approx 4317 bbl (181,314 gallons). Sloped bottom, insulated with 3" mineral wool & aluminum sheathing. Has vertical ladder and 360 degree top handrail. Manufactured by Baker sn 07245. Used as Whole Stillage Tank	 Vicksburg, MS
Vertical Tank Asset ID: TK-5104 Baker Tank	Vertical tank API 650 stainless steel 304. MAWP rated at 2.5 psig at 300F. Size is 23'-3" dia x 38' for a capacity of approx 108,616 gallons. Sloped bottom, cone top, insulated, vertical ladder. Used as Syrup Tank sn 07247. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Vertical Tank Asset ID: TK-2503 Gilbert Industries	Vertical tank atmospheric tank. Material is ss304, volume 500 gallons. Insulated, on legs. Size 36" OD x 120" seam-seam with slight cone bottom and top. On 44 3/8" legs for 175 9/16" OAH. Has 3 inets 8", 6" 4", one outlet 8", and a 10" vent. Sn GI150010. Used as 3rd Pass Collection Tank. We have drawing - access in Links.	Unrated Vicksburg, MS

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Listed in Category Order. Click on an Asset Name for more details.

Vertical Tank Asset ID: TK-2801 Gilbert Industries	Vertical tank API 650 rated at 1 psi at 300F. Size 6 ft dia x 14 ft tall s/s for capacity of 3,070 gallons/2754 nominal. Dish top/bottom. Material is SS304. Gilbert Industries sn 140053. On legs, insulated with 2" mineral wool and sheathing. Has 24" side entering manway, (3) inlets 1"/2"/2", discharge 4", pressure relief 2". Used as Polisher feed tank. Part of FluidQuip BSS system (See asset FQ-BOS) . Still installed on RTO.	Unrated Vicksburg, MS
Vertical Tank ss Asset ID: TK-5103 Baker Tank	Vertical tank API 650. Stainless steel 304 rated at 2.5 psig at 300F. Sn 07246. Size is 24'-6" dia ID x 38' for a capacity of approx nominal capacity 3190 bbl (130,578 gallons). Shell thickness 3/16". Sloped bottom, 15 degree cone top, Insulated. 24" side manway, 20" top hatch, 6" inlet/outlet. Includes top entering agitator on 12" flange, ladders. Agitator (AG-5103) is Lightnin Model 74 C 7.5 right anglr drive with a 7.5HP motor. Mixer speed 37.7 rpm. Mixer shaft 3" stainless with one set of 3 blades sweeping 87" with steady bearing. Motor is WEG 7.5 HP 1170 rpm 460/3/60 TEFC frame 254T. See tank and agitator drawing in Links. Used as Thin Stillage Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Vertical Tank, ss Asset ID: 2050	Vertical stainless steel tank, insulated. Size 30.5" dia x 45" tall on legs for 76" OAH. Capacity 145 gallons.	Used - Good Northern US
Vertical Tank, ss Asset ID: 2062	Stainless steel ss304 vertical tank. Size 52.5" dia x 70.5" tall. Flat top, slight cone bottom. Capacity 600 gallons. Has short legs 6".	Used - Very Good Northern US
Vertical Tank, ss Asset ID: X2070 Columbian TecTank	Columbian TecTank vertical stainless steel tank, on legs. Cone bottom, side entering manhole. Approx size 5 ft dia x 13'-3" tall for capacity 1946 gallons. Used as SS Tank South of Water Tanks Feeds HydraSep 2	Unrated Mississippi
Vertical Tank, ss Asset ID: TK-7901 Baker Tank	Vertical tank API 650 stainless steel 304L rated at 0.25 psig at 200F. Size is 30' dia x 30' for a capacity of approx 158,630 gallons (nominal 150,000 gallons). Spiral stairs, top handrail. Ser num 142724. Used as Reclaim Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Vertical Tank, ss Asset ID: TK-7601 Baker Tank	Vertical tank API 650 stainless steel 304 insulated with 3" fiberglass. Rated at 0.25 psig at 300F. Size is 32'-3" dia x 40' for a capacity of approx 244,422 gallons (nominal 219,980 gallons). Sloped bottom, insulated. SN 07249, Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know. Used as Process Condensate Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Good Vicksburg, MS
Vertical Tank, ss Asset ID: TK-7602 Baker Tank	Vertical tank API 650 stainless steel 304, rated at 0.25 psig at 300F. Sloped bottom, 15 degree cone top, i3" insulation. No agitator. Size is 20'-3" dia x 24' for a capacity of approx 57,821 gallon (nominal 1328 bbl 55,776 gallons) sn 07250. Includes ladders. Shell thickness 3/16". Has 24" manway on side, 20" hatch on top, Used as Dilute Caustic Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Good Vicksburg, MS
Vertical Tank, ss cone bottom Asset ID: 2061	Stainless steel vertical tank - size 50" dia x 84" tall on legs for 117" OAH. Capavcity 580 gallons. Flat top, Cone bottom approx 45 degrees. On legs.	Used - Excellent Northern US
Yeast Prop Tank Asset ID: TK-3102 Baker Tank	Vertical tank stainless steel 304, API 650. MAWP rated at 2.5 psig at 300F. sn 07244 Tank was 48 ft tall but modified in 2009 to remove some rings and add a cone bottom internal. New size is 22'-6" dia x 26'-5.5" tall for a capacity of approx 78,914 gallons. Flat top, cone bottom inside the sloped bottom. Has vertical ladder and 360 degree handrail on top. Used as Yeast Prop Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS