

Asset Catalog for New Equipment (23 Items)

Asset	Description	Condition
		Location
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 <ul style="list-style-type: none">• 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

Centrifuge and Decanter/Centrifuge		1 Items
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. <ul style="list-style-type: none"> • 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

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

Compressor/Gas Compressor		1 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
Dryer/Flash Dryer		1 Items
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
Electrical/VFD		1 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
Material Handling		2 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
Packaging/Vertical Form Fill		1 Items

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 <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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

Presses/Expeller		1 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

Process/CIP / COP	1 Items
-------------------	---------

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

COP Tanks & Systems Asset ID: 1975	<p>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.</p> <ul style="list-style-type: none"> 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/Reactor		1 Items
Reactor Hydrogenation Asset ID: 1751 DVC Process Technologies	<p>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</p>	NEW
		India

Process/Refining		1 Items
Deodorizer Vessel SS Asset ID: 7472	<p>500 Gallon Deodorizer Vessel Design</p> <ul style="list-style-type: none"> 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 <p>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.</p>	NEW
		Springfield, MO

Pump/Sump		1 Items
Sump Pump Asset ID: 1945 Pumpworks	<p>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</p>	NEW
		Indiana

Systems & Packages/Distillation	5 Items
---------------------------------	---------

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

<p><u>Distillation System - Corn Oil/Ethanol</u> Asset ID: VR2 SRS</p>	<p>Distillation System - for Corn Oil/Ethanol/Water Separation</p> <p>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.</p> <ul style="list-style-type: none"> • 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 	<p>NEW</p>
<p><u>Distillation System - Ethanol/Water</u> Asset ID: VR1 SRS</p>	<p>Distillation System - for Ethanol/Water Separation</p> <p>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.</p> <ul style="list-style-type: none"> • 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 number 022519 • 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 	<p>NEW</p>

<p>Distillation System - ffa/Ethanol/Water Asset ID: VR3 SRS</p>	<p>Distillation System Enhancement - for ffa/Ethanol/Water Separation</p> <p>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.</p> <ul style="list-style-type: none"> • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS flash distiller column 10 inches dia 12 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 • Capacity of VR3 is 3 gpm and is designed to remove <30% ethanol/water from oil down to 1000 ppm. <p>See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.</p>	<p>NEW</p> <p>Texas</p>
<p>Distillation System 2000 TPD Extraction Asset ID: PK-2500 TEAM Engineers</p>	<p>Distillation System for 2,000 TPD Solvent Extraction Plant - NEW, Never Used</p> <p>Complete, new distillation equipment for a 2000 TPD solvent extraction plant except for the solvent extractor unit, extractor condenser, and main condenser. Equipment is stainless steel. This system was ordered and was never installed - sitting in laydown yard. We have detailed drawings and specs for each piece in the virtual data room - ask for an invitation. System includes:</p> <ul style="list-style-type: none"> • First and Second Stage Evaporators with separation tanks • Miscella tank No. 1 with level transmitter • Oil dryer plus level transnitter • Oil cooler heat exchanger • DT Condenser • Evaorator Condenser - Main Condenser • Stripper and recuperation condenser • Vent condenser • Steam jet vacuum system (4 steam ejectors) • Mineral oil recuperation system with LT & TT • Pumps (4) 	<p>NEW</p> <p>Mississippi</p>

Glycerin Methanol Recovery Unit Asset ID: 2362 Harvest Energy	<h2>Glycerin Methanol Recovery Unit (GMRU) - Flash Distillation</h2> <p>Manufactured by Harvest Energy - was installed and running at 4MGY Biodiesel Plant. Like New.</p> <ul style="list-style-type: none"> • 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 <p>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</p>	Like New Nevada
---	--	------------------------

Tanks & Pressure Vessels/Fiberglass		1 Items
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		1 Items
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