

System	Item No.	Description	Location
Bag Filling Line, NEW	C111	Chantland bag filling line, complete. Brand new, in crates - never installed. Built Aug 2008. Model 4192, serial 36086. Accuracy +/- 1%. Filling speed, 10 bpm. System includes Weighmaster twin auger filler with range from 20 to 110 pound bags, totes, or boxes. Designed for materials ranging from very fine aerated to sticky hard-to-handle materials. Electronic load cells, accurate weights. System has DA-II vacuum deaerator probe, Bag feeder model 4220 for placing bags in stacks for automatic feed (5 stacks of 50 bags each), a bag kicker model 4217 to stand bags up, conveyors, and a Fischbein Saxon SB3000 band sealer. KEYWORD chantland	Champaign, IL
Bleach System	C103	Bleach System - includes (2) bleacher vessels with slow sweep agitator, (2) slurry tanks, One Industrial 516sf filter press with auger discharge. KEYWORD cbleach	Champaign, IL
Bleach System 300 MTPD	J102	Bleach system - bleacher vessel carbon steel under 29 inches w.c. vacuum, slurry tanks, and (2) industrial filters 600sf (size 60-6-24). System has 4000 gallon bleacher that can run approximately 30,000 #/hr although throughput can be slowed down considerably. Includes 2 stage vacuum system Last used for edible oil. KEYWORD jbleach	Jacksonville, IL
Bleach System 100TPD	4356	Bleach Plant System, Gianazza Built 1974. Capacity about 100TPD. Includes slurry tanks, Gianazza horizontal bleacher, (2) shock filters vertical, 3 stage steam ejector system. For a list of all components in this system, visit the web site www.s4mEquipment.com and enter bleach1g in the search term box.	Mexico
Bleach System 44TPD	4897	Bleach system designed for 44 MTPD of soybean or 66 MTPD palm oil. Designed for batch operation. Has 2 bleachers carbon steel with top entering agitators, stainless steel deaerator contactor tank, (2) Lochem (AMA) vertical shock filters, 3 ss slurry tanks. Will need controls and instrumentation updated. For a complete listing of each component, please Enter keyword jble for a complete listing	Kingston, Jamaica
Can Filling Line	J106	Can filling line - fills 3# kosher cans (502 can) and/or 42 oz meat fat cans with shortening. Has 1 filler for each type of shortening. Current speeds to 160 cpm. The line can either apply a membrane top with plastic overcap or a double seamed metal top with plastic overcap. Includes 2 fillers, can depalletizer, Fords Holmatic can membrane sealer, Angelus metal lid seamer, Krones CanMatic wrap labeler, accumulation table, Rockford case erector/packer, interconnecting conveyors. This line is operated by ONE person. Price does not include removal - we can handle for you. KEYWORD canline	Jacksonville, IL
Chub Packaging Line	J112	Kartridge Pak chub packaging line. Includes chub filler and bag maker, hand pack station. KEYWORD chubline	Jacksonville, IL
Deodorizer 60TPD Stainless Steel	4108	Stainless steel deodorizer and physical refining system rated for 60 mtpd (5,500 #/hr). Two deodorizing/refining units, deaerator, scrubber system, 4 stage steam ejector vacuum system. Designed by Electrotecnia del Caribe, Barranquilla, Colombia. Built circa 1986, idled in 2004. Uses Thermal Fluid mineral oil for heating. Part of 60 mtpd deodorizer system. Enter keyword jdeod for a complete listing	Kingston, Jamaica

System	Item No.	Description	Location
Deodorizer 150TPD (West)	3115	Votator deodorizer system rated at 15,000 pounds per hour - WEST system. Complete system including superstructure, valves, piping, and controls. Most controls operated by a TI 575 plc (available but not included in price). 5 tray semi-continuous deodorizer system. Includes scrubber system and distillate recovery, new citric acid metering system. System uses Dowtherm as heating media (vaporizer not included) but can be converted to high pressure steam if desired. Vacuum system is a 3 stage steam ejector with vacuum pump assist for good vacuum. Built in 1975. The deodorizer is still installed, and was running until Dec 2003. bfwdeod	Fort Worth, Texas
Deodorizer 160TPD (East)	3066	Votator deodorizer system rated at 15,000 pounds per hour (160 MTPD) - EAST system. Complete system including valves, piping, and controls. Most controls are operated by a TI 575 plc - INCLUDED in price. This is a 5 tray semi-continuous deodorizer system including a deodorizing "Super Tray". Includes scrubber system and distillate recovery and a new citric acid metering system. System used Dowtherm as heating media but can be converted to Food Safe Multitherm (Vaporizer not included but can be purchased as an option). Vacuum system is a 3 stage steam ejector with vacuum pump assist for good vacuum in 3-5 mm Hg range. Built in 1975, but the complete system underwent an extensive rebuild in 1995 and new style wafer drop valves were installed, The deodorizer is still installed, and was running until Dec 2003. Superstructure also available as option. We can remove and load for you. Condition is very good. Bfwdeod	Fort Worth, Texas
Deodorizer System 200MTPD	J101	Votator deodorizer system – built 1985 - with mineral oil hot oil heater and vacuum system. Capacity 15,000 pounds per hour but can run up to 18,000 pounds per hour. The unit has 5 trays including a Super Tray deodorizing tray. This system has been completely refurbished in 2008 including de-stacking trays and renewing, rebuilding coils and drop valves or renewing. It was in operation through November 2009 and in good condition. Shell, trays, and coils are in good shape. Vacuum system is a 4 stage Kinema pulling vacuum to 2.5 Hg mm. Heating tray is designed for mineral oil heat medium and is currently operating on MultiTherm. (jdeod5) Price does not include removal but we can provide. KEYWORD jdeod5	Jacksonville, IL
Deodorizer System 140 MTPD	J103	Votator semi-continuous deodorizer system rated at 13,000 lb/hr. (140 MTPD) Carbon steel with ss trays. Steam ejector vacuum system. #3 KEYWORD jdeod3	Jacksonville, IL
Deodorizer System 325 MTPD	C105	Complete carbon steel semi-continuous deodorizer system with stainless steel trays - Votator 30,000 #/hr (325 MTPD). Built 1979 - unit has been rebuilt and refurbished. Has 5 trays. Has 3 stage steam ejector system and distillate recovery scrubber system. Heat is by high pressure Geka self contained automatic boiler. Shell was renewed in 1998. Removal extra - we can handle for you (deod5)	Champaign, IL
Deodorizer System 325 MTPD ss	C107	Complete stainless steel semi-continuous deodorizer system - Votator 30,000 #/hr (325 MTPD). Built 1986, Includes 304 stainless deodorizer with 6 trays (heating and cooling entirely within the unit). Has 4 stage steam ejector system with a liquid ring vacuum pump and a distillate recovery scrubber system. Heat is by high pressure Geka self contained automatic boiler. Removal extra - we can handle for you (deod7) KEYWORD deod6	Champaign, IL
Deodorizer System 325 MTPD ss	C106	Complete stainless steel semi-continuous deodorizer system - Votator 30,000 #/hr (325 MTPD). Built 1984, Includes 304 stainless deodorizer with 6 trays (heating and cooling entirely within the unit). Has 4 stage steam ejector system with a liquid ring vacuum pump and distillate recovery scrubber system. Heat is by high pressure Geka self contained automatic boiler. Removal extra - we can handle for you (deod6) KEYWORD deod6	Champaign, IL

System	Item No.	Description	Location
Deodorizer System 325 MTPD ss	C108	Complete stainless steel semi-continuous deodorizer system - Votator 30,000 #/hr (325 MTPD). Built 1988, Includes 304 stainless deodorizer with 6 trays (heating and cooling entirely within the unit). Has 4 stage steam ejector system with a liquid ring vacuum pump and a distillate recovery scrubber system. Heat is by high pressure Geka self contained automatic boiler. Removal extra - we can handle for you (deod8) KEYWORD deod6	Champaign, IL
Drum Filling Line	4500	Drum filling line designed to fill 4 drums on a pallet. PLC controlled pallet transfer system, room for 2 pallets staging, 1 pallet filling, and 3 full pallets. All automatic indexing. Filling station sits on a load cell and automatically cuts off at a preset weight, automatically zeros and calculates tart weight for next drum to be filled while operator positions filling nozzle. Fills one drum at a time, manually moved by operator. Has Nicol scale and control system - backed by manufacturer. Sold As Is - but can add all new control system. Control Enhancement (extra): The PLC will be replaced by a scale controller which has all the functions of a PLC but has real scale functions as well. Reaction times are better and it all is in one area when needing to troubleshoot.	Fort Worth, Texas
Filling Line, cube shortening-margarine	4503	Complete filling line for 25 to 50# boxes of shortening or margarine. Includes case erector, bag inserter, dual head filler, hot melt case sealer, Kronos Cartina labeler, and optional low level palletizer. Line ran 15,000 pounds per hour shortening (approx 5 cases per minute). Line was installed between 1982 and 1985. Laid out in straight line approx 85 feet long, but can be configured into a U design. For a complete listing of components and their photos, enter cube1 in the key word search box on web site www.s4mEquipment.com	Fort Worth, Texas
Filling Line, cube shortening-margarine	4507	Complete filling line for 25 to 50# boxes of shortening or margarine. Includes case erector, dual head filler, and optional low level palletizer. Laid out in straight line approx 85 feet long, but can be configured into a U design. Line ran 15,000 pounds per hour shortening (approx 5 cases per minute). Line was installed between 1982 and 1985. For a complete listing of components and their photos, enter cube2 in the key word search box on web site www.s4mEquipment.com	Fort Worth, Texas
Filling Line, cube shortening-margarine	J110	Complete filling line for 25# to 50# boxes of shortening or margarine. Line is semi-automatic – requires two operators. Filler is Cherry Burrell volumetric 2-head automatic operation. Line capacity is 10,000 to 20,000 pounds per hour. Includes case erector, bag inserter, filler, and case sealer. KEYWORD 50bline	Jacksonville, IL
Filling Line, cube shortening-margarine	J109	Complete filling line for 25# to 50# boxes of shortening or margarine. Line is automatic – requires one operator. Filler is sanitary design stainless steel 2-head automatic with Mettler-Toledo load cell design. Line capacity is 10,000 to 20,000 pounds per hour. Includes case erector, automatic bag inserter, dual head filler, decuffer, and case sealer. KEYWORD dline	Jacksonville, IL
Filling Line, Margarine	4560	Complete margarine packaging line designed to fill bag in box sizes from 10 pounds to 50 pounds. Includes case erector, bag inserter, dual head load cell filler and controller, case sealer, metal detector, Kronos Cartina labeler, Marsh case code dater and all interconnecting stainless steel case conveyor. NOTE: Detailed Descriptions of each of these are listed separately (does not include the Benhil cup filler).	Mexico

System	Item No.	Description	Location
Flake System (Roll Type)	4490	Flake Roll. Drum is 4 ft dia x 9 ft long. This flake roll was custom built, and was rebuilt and re-chromed circa 1990. The frame and supports are carbon steel; it is chain/gear motor driven on the end, and the roll is chrome plated. No pits in flake roll - very good condition. Adjustable trough with 9 liquid feed nozzles to control flake thickness. Has an additional set of nozzles approximately 30 degrees from first set for a thicker flake if desired. Capacity approximately 4,200 pounds per hour. Includes roll, motor and gear/chain drive, platform and stairs, Durco feed pump (see item 4491), Central brand box top taping machine (see item 4492), Toledo scale, and controls and electrical panels. Overall platform size is 20 ft x 10 ft on 7 ft legs. Last used for flaked shortening - used until September 2006. Still installed.	Fort Worth, Texas
Fractionation System 40 MTPD	J4744	Fractionation system - supplied by DeSmet. System built 2000. Includes (6) vertical ss crystallizers and Filox membrane filter (made in Germany) with 36 plates polypropylene. Built 2000. Filter volume 1500 liters (396.3 gallons). 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. Please go to website www.s4mEquipment.com and enter frac1 in key words for list and photo of all components on this system. KRACK4	Jacksonville, IL
Fractionation System 78 MTPD	J4747	Fractionation system - supplied by DeSmet. System built 1997. Includes (18) vertical crystallizers and Industrieterren membrane filter (made in Belgium) with 69 plates polypropylene. Built 1997. Filter volume 2,875 liters (759.5 gallons). 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. Please go to website www.s4mEquipment.com and enter frac2 in key words for list and photo of all components on this system ABCOL	Jacksonville, IL
Fractionation, Pilot Plant	P103	DeSmet Mini fractionation unit, pilot plant size. Crystallizer capacity approx 5 liter, variable speed agitator. Includes manual hydraulic membrane press, water cooling unit for crystallizer cooling.	Memphis, TN
Hydrogen Gas Plant	C101	Hydro Chem hydrogen generating plant 60,000 scfh (1700 ncmh) at 200 psig. Built 2004, modular. Generates hydrogen gas to 99,999% purity and includes a re-boiler to export steam back to the rest of the plant at 6,000 lb/hr at 270 psig. Process is hydrocracking/reformer with a pressure swing adsorption process using 4 psa columns. Plant is kept under nitrogen blanket. Removal extra - we can handle for you. KEYWORD ch2plant	Champaign, IL
Hydrogenation system	3123	Complete hydrogenation system including (3) 60,000 pound carbon steel converter reactors and agitators, (3) catalyst addition systems, and a catalyst filtration system with (4) Hercules Filters, (4) slurry tanks & pumps. Bfwhydro	Fort Worth, Texas
Hydrogenation System 325 MTPD	C102	Continuous hydrogenation system - includes (2) 60,000 pound (8,000 gallon) reactors, (2) Industrial 400sf filter presses, slurry tanks, and all automation. Built approximately 1997. Capacity depends on amount of saturation but this plant was running at an average of 325 MTPD. Removal extra - we can handle for you. KEYWORD chydro	Champaign, IL
LiquiBox Filling Line - Liquid	J108	Liquibox Bag in Box filling line - currently running 16 liter bags. Consists of semi-automatic filler for Bag in Box (BIB), stainless steel surge tank and sanitary pump, in-line Safeline metal detector, and all stainless conveyor. Capacity approx 95 cases per hour (each case weight is 24 pounds). LiquiBox is now owned by DuPont. Built 2007 KEYWORD bibline	Jacksonville, IL
Solvent Extraction Plant 250 MTPD	5489	Used French 200-250 MTPD Solvent Extraction Plant. Located in Southern USA. We can arrange to schedule an appointment for inspection.	Southern USA

System	Item No.	Description	Location
Soybean Crushing Plant 60MTPD	5488	Soybean extruder/ oil press plant - 60 MTPD. This plant can run at 5,000 #/hr. It is in excellent operating condition - only ran 2 years. Built 2001. . The following equipment is included with this plant: GSI Grain Dryer, Roskamp Champion cracking mill, Kice single dehulling unit, two (2) InstaPro model 2500 dry process extruders with one 125 HP motor each, two (2) Square D soft starters for the 125 HP motors with cabinet, three (3) InstaPro model 1500 continuous oil press each with a 30 HP motor, one lot of material handling, conveying and elevating equipment. All motors, starters, and electrical 3/60/230-460 volt are included. Has been shut down for about 3 years. Dismantling and loading is estimated at \$12,000 - \$18,000 extra but may vary.	North Carolina
Spray Dryer System 20 MTPD	CS108	DeLaval spray dryer system - last used for non-dairy creamer. (later purchased by Niro). Size 108 inches dia, Capacity 1800 pounds/hour output. Niro dryer with all auxiliaries, fluid bed dryer, scrubber, cyclones, and high pressure homogenizer pumps (2). Removal extra - we can handle for you (108) KEYWORD c108	Champaign, IL
Spray Dryer System 25 MTPD	CS120	DeLaval spray dryer system - last used for non-dairy creamer. (Later purchased by Niro). Size 120 inches diameter, Capacity 2400 pounds/hour output. Niro dryer with all auxiliaries, fluid bed dryer, scrubber, cyclones, and high pressure homogenizer pumps (2). Removal extra - we can handle for you (120) KEYWORD c120	Champaign, IL
Spray Dryer System 55 MTPD	CS132	Niro spray dryer system - last used for non-dairy creamer. Size 132 inches dia x 30 to 40 ft tall, max rated capacity is 5,000 lb/hr with 3 nozzles - currently running with 2 nozzles at 3,000 pounds/hour output. Niro dryer with all auxiliaries, fluid bed, scrubber, cyclones, and high pressure homogenizer pumps (2). Removal extra - we can handle for you (132) KEYWORD c132	Champaign, IL
Spray Dryer, Pilot Plant	P101	Pilot Plant spray dryer system. Niro spray dryer Model PE25, serial 8021, built circa 1980. Has atomizer, electric heat, 460v, 60 Hz. Size is 4 ft diameter x 3 ft straight side. Capacity 8 pounds/hour. System was in use until mid 2009.	Memphis, TN
Spray Dryer, Pilot Plant	P102	Pilot Plant spray dryer system. Capacity 30 pounds/hour, 30 to 75 pound batch size. Includes dryer 6 ft dia x 180 inches straight side, cyclone, wet scrubber, natural gas burner, Groen kettle, Breddo Likwifier, APV homogenizer, and 2 VFD blowers. Dryer cone has been replaced within the last 3 years. System was set up to handle non-dairy creamer with solids ranging from 0.45 to 0.7 density and was in use through mid 2009. Structural steel and catwalks are included. Go to web site www.s4mEquipment.com and enter KEYWORD P102Spray for a listing of components	Memphis, TN
Tote Filler	J514	Manual tote or 55 gallon drum filler. Pallet scale with load cell, Goulds centrifugal pump, stainless steel flexible nozzle with manual cutoff. Load cell is Fairbanks Model FB2200, capacity 5,000 pounds. Size of platform id 5 ft x 5 ft.	Jacksonville, IL
Truck Loading Building	J269	Truck unload building set up for 3 trucks. Enclosed on 3 sides with control room. Includes three truck loadout platforms, lighting, 1 truck scale, auto overhead doors, heaters, unloading pumps. Brand new in 2008. Everything you need for truck loading or unloading. KEYWORD jtruck	Jacksonville, IL
Winterizer System 100 TPD	4366	Winterizing System. Designed by Gianazza, capacity 100 TPD. Includes a pre-cooling tank, (3) 45 MT winterizing cells with top entering agitators, (2) 1600 sq ft pressure leaf presses, ammonia refrigeration system. Designed to produce 100MTPD of winterized soybean oil, and 11.1 MTPD of stearine. Filter upgrade in 1991. Structural steel shed and catwalks also available if wanted. For a list of all components, please visit web site www.s4mEquipment.com and enter gwint in the search term box.	Mexico

System	Item No.	Description	Location
Winterizer System 50TPD	4121	Winterizing system rated at 50 MTPD. Can be increased to 100 MTPD with more crystallizers. Includes two crystallizer vessels, pump, and membrane filter. This system was used to fractionate/winterize palm oil (single cut). It is designed for chilled water cooling using a 40 ton Freon chilling system (not included). System was installed circa 1998 and ran for 4 to 4.5 years. For a complete listing of each component Enter keyword jfrac in search term box at www.s4mEquipment.com	Kingston, Jamaica

Terms: All equipment is sold As Is Where Is, subject to availability and prior sale. The Bill of Sale will be between Seller and the buyer. Description of the equipment - especially those relating to capacity, size, or condition - are stated as clearly as possible for information to the buyer or observer. The descriptions and representations cannot be taken as accurate. The buyer has the sole responsibility to determine size, capacity, capability, suitability, condition, or any other attribute pertaining to the piece of equipment represented or purchased. The assets are sold "As Is", "Where Is" and "with all faults" and except as explicitly stated in the Bill of Sale. all warranties, including , without limitation, the warranties of merchantability, quality, and fitness for a particular purpose are hereby expressly excluded. Seller makes no representations or warranties as to design, condition, capacity, performance, or any other aspect of the asset.