

*Major SBQ Steel Mill Producing Rounds, Rounds Cornered Squares, & Bar in Coil  
- 750,000 TPY of SBQ Per Year - 200 Ton Electric Arc Furnace & 14" Bar Mill*

## **Alton Steel Preliminary Asset List**

**Featuring Lectromelt 220-Ton Electric Arc Furnace System, Moeller Continuous Rolling & Bar Mill, Blaw-Knox Dual Reel Bar In Coil Line, Blaw-Knox & Meeco Roll Bar Straighteners, Kieserling Bar Peeler, Koppers Billet Casting Line, Saws, Chem & Metrology Lab, Massive Selection Of Material Handling, (30) Overhead Bridge Cranes, (50) Transformers, Yard Tractors, Vehicles, Plant Support/ Massive MRO Spares/ Raw Materials/ Consumables, Much Much More**

Facility Over View Video [Alton Steel Facility Overview Video](#)

### **Equipment Highlights**

#### **Lectromelt 220-Ton Electric Arc Furnace System:**

- Lectromelt 220-Ton Electric Arc Furnace, with 24'D Shell; Water Cooled Side Panels; Oxygen Burners, 3,150°F Maximum Temperature; and GE Class Flow Transformer, Rated @ 76 MVA, 24" Electrodes,
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- EMCI 220-Ton Ladle Metallurgy Furnace; 14'W x 15'H Chamber Size, 3,150°F Maximum Temperature; with 18"D Electrodes; and Tower Feed; with PX1 Upgrade
- CIS Model SHTD-202-24 Electrode Heating System
- Central Engineering Gas Fired Horizontal Ladle Pre-Heaters; Maximum 2,000° Temperature; with 30 hp Blowers
- Thermal Transfer Products Gas Fired Vertical Ladle Pre-Heater; Maximum 2,000° Temperature; with 20 hp Blower
- Bag Dump Station; with Elevator; Hoppers; Shaker; and Metering Feed
- (10) 220-Ton 14'W x 15'H Elliptical Hot Melt Ladles; with Flo-Con Bottom Slide Gates; and Thermal Vision System
- (5) 150-Ton 22'D Scrap Charging Buckets; 3,200 Cubic Feet Capacity
- Track Mounted Ladle Transfer Cars
- (2) ABB 200-Ton Scrap Weighing System; Each with Radiation Detector; (Upgraded 2021
- (2) Hutton 230-Ton Scrap Ladles; Each with Ladle Transfer Cart
- Westinghouse 76-MVA Furnace Transformer/ 66-MVA Regulator Transformer
- American Air Filter 500,000-cfm Dust Collectors; Each with 1,250 hp Motor; Process Piping; and Variable-Frequency Drive, 4-Compartment Baghouse; Approximately 350,000 cfm Capacity
- Associated Chillers; Hydraulic Systems; Pumps; Motors; PLC Control Systems; Charge Buckets; Critical Spares; Pulpit Type Tower Office, with Control Console; Cameras, with Monitors; Automatic Samplers; Electrical Switchgear; and Controls

#### **EBT Electric Arc Furnace:**

- Lectromelt 120-Ton Electric Arc Furnace; with Related EBT Shell, Roof; All Related Structure; Lift Arms; Water Cooled Cables; and Electrode Arms, (4) EAF Charge Buckets. Spare EAF Roof. Turret Gear Drive. Tamini Transformers 107 MVA EAF 3-Phase Transformer, 34.5 kV Rated Voltage

#### **Moeller Neumann Continuous Roughing Rolling Mill/ Bar Mill:**

- (Updated 2022) Moeller Neumann Continuous Rolling Mill with a bar capacity Diameters :0.750" to 3.9" Length 16' to 60', (**Capable of Rounds, Round-cornered Squares, Hex, and Bar-in-coil**), consisting of Charge Table with Unscrambler & Index Table, Allen Bradley CTR, Natural Gas Fired Pre-Heat Furnace w CTR, Birdsboro 5-Stand Billet Breakdown Mill , Blaw Knox Entry Pinch Roll, Blaw Knox #1 Shear, Moeller Neumann Roughing Mill with (4) Neumann 16" x 27 ½" Vertical & Horizontal 2 High Mill Stands w/ 600 HP Dc Motors with Electric Controls, Moeller Neumann Intermediate Mill with (5) Neumann 16" x 27 ½" & 15" x 24" Vertical & Horizontal 2 High Mill Stands w/ 500-600 HP Dc Motors & Electric Controls & (3) Neumann 2 High Mill Stands, (2) 2017 Lap Model RDMS 120-4 Measuring Machines, Cold & Hold Infeed Table 26' x 80', Blaw Knox Shear 500 Ton 2" Round Cap 175' Bar Cooling Bed & Shuffle Table, Advanced Machine Design 4" Hydraulic Bar Shear with Bar Table, (6) GE Transformers, Rockwell Automation Overall Line PLC Controls, Shipping Station; with 60' Run Out Table, Cooling System; with (5) 150 hp Pumps, Spare Mill Stands; Rolls; Crop Shears; Pinch Rolls; Transfer Rolls; Feed Tables; Motors; PLC and Solid State Controls; Burners; Hydraulic and Cooling Systems; Hot and Cold Well Pumps; Pump House Scale Drag System; Process Piping; Valves; Controls; (3) Hot Wells; (3) Cold Wells; Cooling Tower

#### **Koppers 6-Strand Continuous Billet Casting Line:**

- *Koppers 6-Strand Continuous Billet Casting Machine; 130 Ton/Hour Capacity, 27' Mold Capacity; with Individual Pour Control,(6) Custom Designed & Fabricated Torch Billet Cutting and Sizing Systems; with Natural Gas/Oxygen Torch Cutters, Upgraded Mold Lube System, (30) 7" x 7" Copper x 20' Casting Billet Molds; with Stirring System, Associated Control Room; with PLC Line Controls; Monitors; and Cameras*

#### **Vesuvius Model C52 Tundish Slide Gate System:**

- Vesuvius Model C52 Tundish Slide Gate System, (22) Slide Gate Housings; (12) Hydraulic Cylinders, (Attached to Gate Housings); (10) Base Plate Assemblies, (Fixed In Tundish); (4) Electric Motors; (2) Pallet Jack Stands; Battery Powered Pallet Jack; Rotating Manipulator Stand; Storage Stand (Holding (2) Assemblies); (3) Spare Rockers; (11) Lifting Chains; Miscellaneous Tools; and Spare Parts

#### **Blaw-Knox 14" Dual Reel Bar In Coil Line:**

- *Blaw-Knox 14" Dual Reel Bar-In-Coil Line, 0.750" to 1.812"D Bar, 6,000 Lb. Maximum Coil Weight; with (2) Fabris Coiler Entry Systems, with Delivery Troughs; 2-Strand Water Box; Switch; 2-Strand Trough; Anti-Twist Guides; Delivery Troughs; Pinch Roll Guides; Rollerized Turndown; Cross Pusher; Push-Off Assemblies; Coil Sweep; Flat Top Cooling Conveyor and Elevator; Coil Upender; Star, Wheel 6-Arm Turnstile; Coil Loader Unit; Hydraulic Power Supplies; Electrical Controls and Panels; and Spare Parts*

### **Roll Bar Straighteners:**

- (Rebuilt by D&R in 2017) Meeco Model 2R1M 4" Bar Straightener, Size 3; 125 hp Drive Motor; with Meeco Model HD3 13-Strand Gravity Drop Feed Conveyor System, 60'L Bar Capacity; with Pneumatic Transfer Arms; Powered Guide Rolls; Entry Table; Horizontal Hydraulic Pinch Rolls; Powered Guide Rest, with Hydraulic System; Mayfran Scale Removal Conveyor; 25 hp Hydraulic System; Vertical Hydraulic Pinch Rolls; Meeco Model 3SS 12-Strand Powered Exit Conveyor, 60'L Bar Capacity, with 2-Stage Accumulator; Pneumatic Kicker Arms; Control Console – For a video of this machine running please click on the following link [Meeco Model 2R1M 4 Inch Bar Straightener](#)
- Blaw-Knox 3-1/2" 2-Roll Bar Straightener, Size 2; 60 hp Drive Motor; with 60' Gravity Feed Loading Rack; Bar Indexing Feed System; Entry Pinch Rolls; Operators Panel; Exit Pinch Roll, 3-Point Hydraulic Drop Exit Chute, with Accumulator; Control Room, with Allen-Bradley Model PanelView Plus 1000 Touch Screen PLC Control; 10 hp Hydraulic Unit; and Mayfran Inclined Metal Belt Conveyor

### **Kieserling Model WDH-125 Bar Peeler:**

- (Upgraded 2019) Kieserling Model WDH-125 Bar Peeler, 25-130mm Rough Bar Diameter, 25-125mm Finished Bar Diameter, 2.25-8M Bar Length, 1-15 M/Minute Feeding Speed, 200 kW DC Cutting Head Motor, 27-75mm 1st Range Diameter, 75-125mm 2nd Range Diameter; with 35' Gravity Feed Loading Rack, Bar Indexing Feed System; with Guides and Tube Loader; Input Pinch Roll System; Exit Carriage, with Guides; Exit Roller Conveyor, with Pneumatic Dump System; Bar Accumulator Cradle, with Load Cells and Mettler Readout System; Keyence Model LS-9120MR Laser Gauging System; Hydraulic Power Supply; Console Control System; and Mayfran Inclined Blt Conveyor;

### **Horizontal & Vertical Band Saws/ Cold Saw:**

- HE&M Model V130M 20" x 24" Automatic Vertical Band Saw, 45' Heavy Duty Entry Conveyor; and 40' Exit Powered Conveyor
- 2011 DoAll Model 500DS 14" x 20" Horizontal Band Saw
- DoAll Model C-1321DS 13" x 21" Horizontal Band Saw
- DoAll Model C-916M 9" x 16" Horizontal Band Saw
- Kaltenbach 52" Heavy Duty Cold Saw

### **Material Handling/ Construction/ Boom Crane/ Articulated Boom Type Aerial Lifts:**

- (Qty 2) To 2019 Kalmar Model DCG330-12, 72,000-Lb. Diesel Lift Truck
- (Qty 2) 2020 Kalmar Model DCG250-12 55,000-Lb. Diesel Lift Truck
- (Qty 3) To 2012 Kalmar Model DCD250-12, LB 55,000-Lb. Diesel Lift Truck
- (Qty 2) 2012 Caterpillar Model P22000, 22,000-Lb. Diesel Lift Truck
- 2019 Kalmar Model DCG160-12, LB 36,000-Lb. Diesel Lift Truck
- 2023 Caterpillar Model DP50CN1, 10,000-Lb. Diesel Lift Truck
- Caterpillar Model V620 57,300-Lb. Diesel Lift Truck

- (Qty 8) Caterpillar 6,000- 10,000 -Lb. Diesel Lift Truck
- Mitsubishi Model FG25N 5,000-Lb. LP Gas Lift Truck
- 2014 Mitsubishi Model FD40N1 8,000-Lb. Diesel Lift Truck
- Hyster Model H80XL 8,000-Lb. LP Gas Lift Truck
- (Qty 2) Waldon Model 8500C Old Coil Ram Truck
- (Qty 2) John Harder Model LB Wide Carriage Masts
- Grant-O-Matic Model GOM360BDR Furnace Wrecker
- Grove Model RT530E 30-Ton Rough Terrain Boom Crane
- (Qty 4) To 2019 Bobcat Models T770, S175, S70 & S220 Skid Steer Loader
- Caterpillar Model 924H Articulated Frame Wheel Loader
- Caterpillar Model 980F Articulated Frame Wheel Loader
- Caterpillar Model 924G Articulated Frame Wheel Loader
- Genie Model S-65 Diesel Boom Type Aerial Lift
- JLG Model E300AJP Articulated Boom Type Aerial Lift
- Skyjack Model SJIII-3219 Maximum 550-Lb. Electric Scissor Lift
- Hyster Model S100E 10,000-Lb. LP Gas Lift Truck

### **Chem & Metrology Lab:**

- Thermo Scientific Model ARL OPTIM'X WDXRF Slag Spectrometer
- Mikron Digital Instruments Model PSP80K 80,000-Lb. Programmable Stepping Pellet Press
- (Qty 2) Leco Model CS744 & CS230SH Carbon/Sulfur Determinator
- Eltra Model ONH2000 Nitrogen/Oxygen/Hydrogen Determinator
- Thermo Scientific Model ARL3460OES Optical Emission Metals Analyzer
- Applied Research Laboratories Model 3460 AES Optical Emission Spectrometer
- Mikron Digital Instruments Model Aplastar 55 Ring and Puck Mill
- Struers Model Discotom-100 TableTop Sample Saw
- Tinius Olsen 60,000-Lb. Tensile Tester; with Handheld Pendant Control
- Instron 2000 series hardness tester
- Struers Model Citopress-20 2-Part Mounting Press
- Leco N736 Nitrogen Analyzer
- Instron 2000 series hardness tester
- Struers Citopress-20
- Vulcan 3 series Burnout Furnace
- Leco GR20 High Speed Coarse Grinder
- Niton Portable X Ray Analyzer
- Olympus Model GX51F Inverted Metallurgical Microscope
- Leco Model GR-20 Lab Polisher
- Buehler Model SuperMet 12" Lab Polisher; Lab Benches, Fume hoods, Glassware, Magna-Flux Y-2 MV

### **Overhead Bridge Cranes:**

- Crane Mfg. 300/80/10-Ton x 80' Span Double Girder Top Running Ladle Type Bridge Crane
- Alliance Machine 300/50-Ton x 80' Span Double Girder Top Running Ladle Type Bridge Crane
- Alliance Machine 150/25-Ton x 80' Span Double Girder Top Running Bridge Crane

- (Qty 4) Alliance Machine 25/5-Ton x 80' Span Double Girder Top Running Bridge Cranes
- (Qty 2) Acco 10-Ton x 40' Span Double Girder Top Running Bridge Cranes
- (Qty 2) Whiting Corp. 10-Ton x 100' Span Double Girder Top Running Bridge Crane
- 15-Ton x 65' Span Double Girder Top Running Bridge Crane
- 25-Ton x 60' Span Double Girder Top Running Bridge Crane
- (Qty 3) 2-Ton x 50' Span Double Girder Overhead Bridge Crane
- 3-Ton x 25' Span Double Girder Overhead Bridge Cranes
- Shaw-Box 15-Ton x 35' Span Double Girder Top Running Bridge Crane

### **Transformers:**

- Tamini Transformer 107 MVA EAF 3-Phase Transformer, 34.5 kV Rated Voltage
- (Qty 3) Westinghouse 68,000-kva Oil Filled Transformer
- (Qty 4) GE / Westinghouse 66,000-kva Oil Filled Transformer
- Westinghouse 52,800-kva Oil Filled Transformer
- (Qty 2) Westinghouse 15,000 -kva Oil Filled Transformer
- (Qty 7) Cooper, GE, Westinghouse, Allis Chalmers, 10,000 -kva Oil Filled Transformer
- (Qty 50) Assorted Transformers Throughout Facility; Sizes From 50 to 7,000 kva; Manufacturers including: Wagner, Westinghouse, Cooper, GE and Kuhlman, Allis Chalmers(Oil Filled, Silicon, Dry, & Askarel) Please Click On The Following Link For a Transformer List with Capacities [Alton Steel Transformer List](#)
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### **Electrodes:**

- (257) Graftec 24' Elect PC Electrodes
- (60) Tokai 24' Elect PC Electrodes
- (95) GES 18" Elect PC Electrodes
- (32) SDK 18" Elect PC Electrodes

### **Yard Tractors:**

- (Qty 2) 2020 Ottawa Model T2 4X2 Yard Tractor
- Ottawa Model RJS 4X2 Yard Tractor
- Ottawa Model 50 Yard Tractor
- (Qty 2) Capacity Model TJ5000 & TJ7000 Yard Tractor

### **Vehicles/ Trailers:**

- (Qty 7) Ford Model F-150 XL Pickup Truck
- Chevrolet Model Silverado C1500 Pickup Truck
- Ford Model F-350 XL Super Duty Utility Bucket Truck
- (Qty 3) GMC Model Sierra C1500 & 2500 Pickup Truck
- (Qty 2) Euclid Model R22 & 207FD22-Ton Single Axle Dump Truck
- Mercury Model Grand Marques Automobile

- Mercury Model Villager Minivan
- Ford Model Windstar Minivan
- Ford Model F-600 2-Ton Flatbed Dump Truck
- GMC Model Sonoma Extended Cab Pickup Truck
- Jeep Model Grand Cherokee Sport Utility Vehicle
- Chevrolet Model C3500 Flatbed Truck
- (Qty 20) 30' to 48' Bloom Trailers

### **Plant Support/Additional Machines:**

- 2022 Gillette Model SPVD-6000-3-4-2, 660-kW Diesel Generator
- Cummins Model DFGE-5693579 750-kW Diesel Generator
- Generac Model SG0050KG264 50-kW Natural Gas Fired Backup Generator
- (Qty 2) Toledo Model Masstron 160,000-Lb. Above Ground Truck Scale
- 2014 Ingersoll-Rand Model R110I-A125 Air Cooled Rotary Screw Air Compressor, 150HP
- (Qty 25) Club Car, EZ Go, & Yamaha Golf Carts
- (Qty 20) 30' to 48' Bloom Trailers
- (4) Ingersoll-Rand Model SSR-XF150 & SSR-EP200 Rotary Screw Air Compressor, 150HP & 200HP/ Zeks Dryers
- InfoSight Model LL2856-3 Metal Tag Laser Printer
- (Qty 4) PowerBoss, Advance, & American Lincoln Riding Floor Sweepers
- (Qty 25) Miller, Lincoln, & Hobart Arc, & Multiprocess Welders
- Wastewater Treatment Equipment
- Numerous Scrapmaster Scrap Magnets/ Several Ohio Lifting Magnets/ Spreader Bars
- Magnaflux Model CE-51 Magnetic Particle Inspection Machine
- Nelson Stud Welding Model 101 Stud Welder
- KRB Model 18M Electro-Mechanical Rebar Bender, 55mm Max. Bar Size; 10 hp Motor; with KRB PLC Control
- NDT Testing Line; Consisting Of 45' Heavy Duty Loading Rack; with Bar Indexing System; 50' Power Roller Feed Conveyor; Bar Marking System; 60' Exit Power Roller Conveyor
- Scotchman Model 9075 75-Ton Hydraulic Ironworker
- (170) Sections Teardrop Pallet Racking, 42" x 14' Uprights, Beams 8' x 4" Cap
- Bar Mill Roughing Mill Pinch Roll

**Massive Spare Parts Storeroom/ Raw Materials Inventory & Consumables – For a Preliminary List Please Click on the following Link [Alton Steel MRO Storeroom & Parts Raw Materials](#)**

*Maintenance shops, Drill Presses, Pallet Racking, Rigid Pipe Threaders, Laser Mike Laser Micrometers, Nelson Stud Welding Model 101 Stud Welder, Crimpers, H Frame Presses, Benches; Steel Horses and Stands; Double End Grinders; Ladders; Pedestal Fans; Pneumatic Tools; Banding Units; Self Dumping Hoppers; Flammable Material Storage Cabinets; Wheelbarrows; Portable Heaters; Hand and Power Tools; etc. Jobox Gang Boxes; DeWalt Chop Saws; 2-Ton Portable Shop Crane; Portable Heaters; Ryobi 2,200-Watt Gas Generator; Miller Model SRH-444 Arc Welder; Airco Model 3DDRS--24-B Bumblebee*

*Welder; Kalamazoo Model H9AW Horizontal Band Saw; Gorbel 1/2-Ton Jib Crane, with Hoist; Flammable Material Storage Cabinet; Miller Model Goldstar 400SS Arc Welder; Steele Model SP-GG750E 7,500-Watt Gas Generator; Bolt Threaders, Much More To Much to List*

**PROUDLY HELD IN CONJUNCTION WITH**

