

150 - 300 TPH Potash Compaction and Granulation Equipment [Inventory ID #1466323]



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Description: The equipment in this package is meant for the production of granulated potash, GMOP, at approx. 150 - 300 TPH. Equipment is used to compact and granulate potash for further processing with two sets of equipment. This package includes (2) Potash Compactors, (2) Granulators, Vibrating Feeder and Screw Conveyor Feeding Systems, VFDs, Electric Motors and Hydraulic Units. The equipment is new, has not been used and has been maintained following the manufacturer's service program. Equipment is stored in their original packaging.

- General Equipment List:
 - (2) Ludman 4440 Roll Compactors
 - (4) Screw Feeders
 - (2) Ludman 1672-1 Granulators
 - (2) Eriez 758 Vibratory Pan Feeders
 - Hydraulic Power Units for Compactors and Granulators
 - (4) VFD Cabinets with Auxiliary Panels
 - (4) Siemens Braking Resistors

- Ludman 4440 Roll Compactors:
 - Quantity: (2) Units
 - Make: Ludman Industries
 - Model: 4440
 - Condition: New, Unused Condition
 - Type: Double Roll Press Compactor
 - Max Throughput Capacity: 150TPH
 - Product Density: 1,089kg/m³
 - Construction: Steel
 - Roll Dimensions: 44in Dia. x 40in Long
 - Max Roll Separating Force: 850 Tons
 - Compactor Dimensions: 13ft Long x 12ft Wide x 19ft 4in Tall
 - Drive: Electric Motors
 - Qty: (2) Per Compactor
 - Make: Siemens
 - Power Output: 800HP
 - Screw Feeders:
 - Qty: (2) Per Compactor
 - Capacity: 140TPH
 - Drive: Siemens 75HP Electric Motor
 - Dimensions: 2.36m Long x 2.12m Wide x 4.15m Tall
 - Hydraulic Power Unit:
 - Liquid Density: 900kg/m³ @15.6°C
 - Dimensions: 1.08m Long x 0.77m Wide x 0.81m Tall
 - Gearbox Lubrication Unit:
 - Flow Rate: 29L/min
 - Dimensions: 2.87m Long x 1.54m Wide x 1.91m Tall
 - Bearing Lube Unit:
 - Dimensions: 1.14m Long x 0.91m Wide x 1.73m Tall
 - Shaft Guards

- 800HP VFD and Braking Resistor Systems: For Compactors
 - Quantity: (4) Units
 - Condition: New, Unused Condition
 - VFD Cabinet:
 - Make: Siemens
 - Cabinet Model: Sinamics G150
 - Nominal Power: 630kW (840HP)
 - Input:
 - Voltage: 380 - 480 Volts
 - Current: 1,174 Amps
 - Frequency: 50 - 60Hz
 - Phase: 3-Phase



- Output:
 - Voltage: 0 - 480 Volts
 - Current: 1,120 Amps
 - Frequency: 0 - 550Hz
 - Phase: 3-Phase
- Auxiliary Panel
- Braking Resistor:
 - Make: Siemens
 - Model: 6SL3000-1BE32-5AA0
 - Power Output: 200kW

- Ludman 1672-1 Granulators:
 - Quantity: (2) Units
 - Make: Ludman Industries
 - Model: 1672-1
 - Type: Granulator Roll Crusher
 - Condition: New, Unused Condition
 - Max Feed Rate: 37.9 TPH
 - Max Feed Size: 9.5mm
 - Roll Diameter: 406mm (16in)
 - Roll Length: 1828 (72in)
 - Roll Speed: 540-810RPM
 - Max Closing Force: 165,474kPa
 - Roll Gap Range: 50.5mm
 - Drive: Electric Motor
 - Make: Siemens
 - Power Output: 75HP
 - Max Hydraulic Pressure: 35bar
 - Hydraulic Power Unit
 - Eriez 758 Vibratory Pan Feeder

- Location: Europe

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