

Hazemag 1300 TPH Stationary Primary Crushing Plant [Inventory ID #1390432]



Hazemag Stationary Primary Crushing Plant

- Make: Hazemag
- Condition: Never Used, Company Packed
- Crusher: HPI 2530
- Material : Concrete, Reinforced Concrete, Construction Demolition Waste, Limestone
- Feed Size (CDW): 0 – 1100 x 800 x 600 mm with 30% <60 mm
- Total Plant Capacity : 1300 TPH
- Primary Crusher Capacity : 1000 TPH
- Plant Product Size : <60 mm (95%)
- Bulk Weight CDW : 1,200 – 1,600 kg/m³
- Moisture Content CDW : Max 5%
- Operation : 20 hrs. x 7 days
- Ambient Temperature : 5-55°C
- Dust Collection Volume : 60,000 m³

[View Spec Sheet Below](#)

- Technical Description:
 - Feed Hopper:
 - Feed Material : CDW / Concrete / RCC
 - Capacity : 150m³
 - The Hopper is a Steel Structure, designed for Feeding with an Off-Load Truck

- Sonar Level Control:
 - An Ultra-Sonic Level Detector monitors a minimum level of material in order to protect the Apron Feeder against the direct impact of the feed material.

- Apron Feeder: (Type PBRK 25/200–D7)
 - Design : Tractor Chain Type D7
 - Centre Distance: 20,000mm
 - Width : 2,550mm
 - Inclination : 23° Degrees
 - The Apron Feeder is made up of a base frame with skirt boards and a drive unit. The Drive Unit consists of a Tractor Chain with Power Transmission with a Planetary Gear Reducer and Coupling. The Speed is Controlled by Frequency Converter.
 - Skirting of Apron Feeder
 - Spillage Conveyor for Apron Feeder

- Double Deck Eccentric Shaft Screen (Type 2700/5000)
 - Screen Width : 2,700mm
 - Screen Length : 5,000mm
 - Sizing:
 - Upper Deck : 60mm
 - Lower Deck : 10mm
 - Skirting of Double Deck Screen
 - Chute for Fine Fraction Passing the Double Deck Vibrating Screen
 - Chute for Intermediate Fraction

- Belt Conveyor Type : 2000/7000 (For Sand Transport)
 - Belt Width : 2,000mm
 - C-C Spacing: Approx. 7,000mm
 - The Belt Conveyor can be operated reversible in both directions.

- Stockpile Belt Conveyor Type: 650/25000 (for Sand Transport)
 - Belt Width: 650mm
 - C-C Spacing: Approx. 25,000mm
 - This Stockpile Belt Conveyor for Sand Transport Discharges the Sand to the Stockpile.

- Crusher Inlet Hood/Chain Curtain/Water Sprinkling System:
 - The Crusher Inlet hood is Welded Steel Plate Design. The Chain Curtain

is connected to the Crusher Inlet Hood. The Water Sprinkling System is used for Dust Suppression.

- Crane:
 - This Crane consists of a Crane Beam and an Electric Hoisting Unit.
 - Crane Capacity: 2,000 Kg

- Impact Crusher (Type AP-PH 2530/GSK)
 - Crusher Design: Single Rotor Impact Crusher
 - Rotor Design: GSK Rotor, Designed for Recycling
 - Rotor Diameter: 2,500mm
 - Rotor Width: 3,000mm
 - Gap Setting System: Front & Rear Apron : Hydraulically
 - V-Belt Drive System, Incl. transmission
 - LV Motor:
 - Power Output: 800kW
 - Voltage: 400 Volt
 - Frequency : 50 Hz
 - Motor Specially for Crusher Drive with Amplified Bearings and Suitable for Heavy Starting.

- Crusher Discharge Chute:
 - The Crusher Discharge Chute Underneath the Crusher is Connected to the Discharge Vibrating Feeder. Its Comprised of a Rugged Steel Plate Design.

- Primary Vibrating Feeder (Type 2.7/5.0):
 - The Primary Vibrating Feeder is Mounted Underneath the Crusher Discharge Chute and ensuree a constant discharge to the Connected Secondary Vibrating Feeder.

- Secondary Vibrating Feeder (Type 2.7/5.0):
 - The Secondary Vibrating Feeder is mounted underneath the Crusher Discharge Chute in Connecting to the primary Vibrating Feeder and ensures a constant discharge to the connected belt conveyor. In addition the discharge side of the Vibrating Feeder is antimagnetic in order to install the First over Belt Magnet at this position.

- First Over Belt – Magnet (Type 240/280):



- Magnet Width: 2,400mm
 - C-C Spacing: Approx. 2,800mm
 - This Over Belt Magnet consists of a Fixed Magnet with a Revolving Belt Conveyor with Vulcanized Cross-Bars. The Belt Drive is driven by means of a Hollow Shaft Geared Motor.
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- Air Pulse Filter System for Crushing Unit:
 - Air Volume : 60,000 m³/h
 - Operation : Suction
 - Set of Accessories for Air Pulse Filter including;
 - Compressor
 - Hoods, Fitting and Adapting Pieces
 - Regulating and Manual Valves
 - Ventilator
 - Piping
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- Second Over Belt – Magnet (Type 95/120):
 - Magnet Width : 950mm
 - C-C Spacing: Approx. 1,200mm
 - The Over Belt Magnet consists of a Fixed Magnet, with a Revolving Belt Conveyor with Vulcanized Cross-Bars. The Belt Drive is driven by means of Hollow Shaft Geared Motor.
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- Stockpile Belt Conveyor (Over Tunnel) Type: 1400/69000:
 - Belt Width: 1400mm
 - C-C Spacing: Approx. 69,000mm
 - This Stockpile Belt Conveyor Handling the Throughput from Impactor and Oversize from Screen to the Main Stock Pile
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- Electrical Equipment:
 - The Electrical Equipment Comprises All Necessary Equipment to Run the Entire Plant includes:
 - Process Control system (PLC) with operator station including:
 - I/O system, process controller, software, Computer-Hardware, Network –Equipment.
 - MV Switchgear including DC Power supply
 - Transformer for LV system
 - MV Liquid starters for MV Crusher Motor.
 - MCC (Motor Control Cabinet) for all LV Motor, Including: Frequency converters, Contactors, Fuses, Main Switch, Illumination.

- LV Cabinet for Compensation
- Uninterruptable Power Supply (UPS)
- Sensor for Field Devices
- Digital Field Devices, Including: Control Devices, warning Devices, Safety Devices.
- Safety Key System for Crusher
- Illumination

- Location: UAE

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