

NEW equipment

For sale by Intercem

1 Roll Sizer 600 x 2000 – NEW -**I01049****BASIC DATA**

Feed material	Bauxite, Iron Ore, Gypsum, Slag (GBFS) Fed by apron feeder train unloading station
Feed size unfrozen	0 – 50 mm
Feed size amalgamated or frozen (winter time)	0 – 500 x 500 x 600 mm
Feed moisture Bauxite	max. 13%
Feed moisture Iron Ore	max. 10%
Feed moisture Gypsum	max. 10%
Feed moisture Slag (GBFS)	max. 12%
Bulk density Bauxite	approx. 1,35 t/m ³
Bulk density Iron Ore	approx. 1,8 t/m ³
Bulk density Gypsum	approx. 1,5 t/m ³
Bulk density Slag (GBFS)	approx. 1,2 t/m ³
Operating time	2 x 8 hrs/day, 6 days/week
Ambient temperature -	15°C to + 25°C (average) -30°C to + 40°C (min./max. extremes)
Altitude	below 100 m asl.
Standards	DIN, VDE, IEC, ISO

PERFORMANCE DATA

Throughput	350 t/h
Product size	95% < 100 mm measured on square mesh according to ISO 2591 and ISO 3310

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Intercem Engineering is a leading company for the supply of pre-owned and new equipment and services for the cement industry. Turn-key plants are designed as combination of used and (where necessary) new equipment. A top notch team of engineers also provides comprehensive engineering of the technology and design of complete new production lines. The component described above could be implemented in a comprehensive solution upon demand.

TECHNICAL SPECIFICATION

- 1 RollSizer DRS 660 x 2000 CenterSizer
- 2 AC-motors 110 kW, 1500 rpm, B3 with motor starter – included -
- 1 Inlet hood incl. 1 Microwave Level detector and wear plate liners
- 1 Discharge chute incl. wear plate liners.
- 1 Movable chute incl. 1 inspection flap and wear plate liners – included –
- 1 Platforms and stairs

NOT included: Further Electrical Equipment

DESCRIPTION Roll Sizer 600 x2000 Center Sizer

Technical data:

Type	DRS 660 x 2000 Center Sizer
Roll circle diameter	approx. 750 mm
Roll width	2000 mm
Distance of rolls	660 mm
Crushing tools	Exchangeable segments
Feed opening	1500 x 2000 mm
Number of crushing rolls	2
Peripheral tip speed of the rolls	approx 2,2 m/s low speed
Type of drive	2 x 110 kW / 50 Hz dual drive.

Protection of drive	Two mechanical drives incl. fluid coupling and parallel shaft speed reducer gears Fluid coupling
Required motors	Reversible rolls Squirrel cage motors 2 x 110 kW, 1500 rpm, design B3, protection IP 55 (Fabricator: VEM)

Crusher Housing

Mainly consisting of:

- the side walls and the front walls in bolted and welded design
- the bearing housings for the shaft bearings
- the wear protection for the crushing chamber according to the properties of the crushed material

Crushing rolls

Mainly consisting of:

- two rolls, supported in the side walls by the means of antifriction bearings
- the replaceable crushing tools, to minimize maintenance down time the crushing segments can be replaced.
- the sealing arrangement of the antifriction bearings

Mechanical Double Drive

One drive unit for each roll mainly consisting of:

- the curved tooth coupling
- the spur gear reducer with oil lubrication
- the fluid coupling incl. elastic coupling
- the squirrel cage drive motor 110 KW
- Protection of the drive train: - Speed monitor to indicate stoppage of the rolls
- Hydraulic fluid coupling with overheat protection
- PT 100 to control the temperature of the bearings

Base Frame mainly consisting of:

- a welded, bolted and machined design to support the crusher housing and the two drive trains.
 - the base frame is equipped with slide shoes allowing to move the entire crusher in a stand-by position.
- The equipment is installed " underground " and must include sufficient lifting/handlings points to allow for this.

Crusher inlet hood + Crusher discharge chute

with steel plate liners (XAR 400 or Hardox 400, bolted).

Movable chute on guide plates

with 1 inspection flap and

with steel plate liners (XAR 400 or Hardox 400, bolted).

Platform and stairs

of sturdy and torsion-resistant sectional steel design.

The walkways are provided with hot galvanized light grid flooring.

Lubrication system (manual)