

[Horizontal Crushers. HFB]

HAZEMAG

**Experience.
Innovation.
Results.**

Crushing | Screening | Feeding

Feeder Breaker

The HAZEMAG Feeder Breaker is a crushing plant, which works according to a field-proven principle of crushing in the horizontal material flow

- No deflection or plug up of feed material
- High capacity
- PLC controlled feeder and crusher
- Compact design
- High mobility
- In-pit crushing
- Little space needed for installation
- No horizontal adjustment
- At-grade feeding



Operation Method

- Chain Feeder transports material into the crushing chamber
- Rotating crushing roll is equipped with crushing tools
- Material is crushed by impact force on the Chain Feeder
- Product size is decisively determined by design and arrangement of the crushing tools and scrapers within the conveyor
- Adjustable crushing roll and conveying speed
- Granulation size may be adjusted to customer requirements variably on the fly



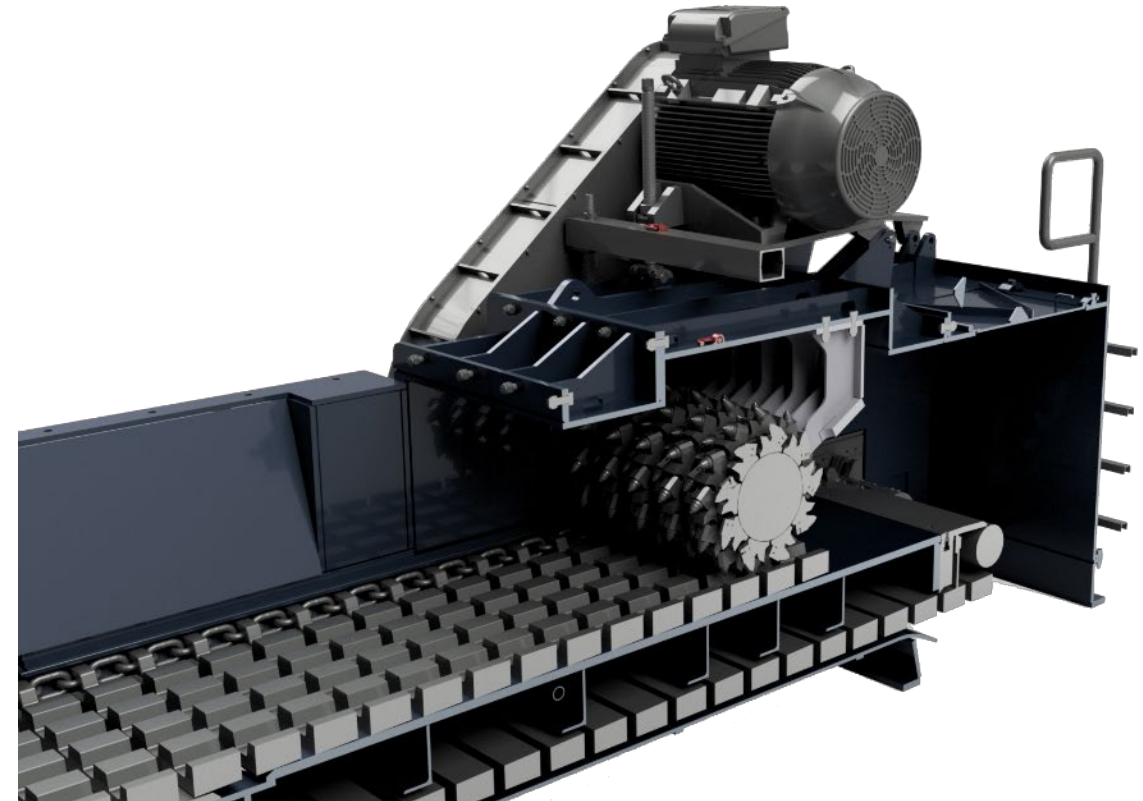
Application

- Low material feed height and various options permit the application in many fields above as well as underground
- Various tasks in the mining and bulk goods industry, as well as on storage and reloading points
- feed material needs to be brittle, reasonably dry, mainly not sticky and can be ductile to some degree
- Usually for comminution of:
 - Potash and rock salt
 - Gypsum and chalk
 - Coal
 - Slags
 - Petrol coke



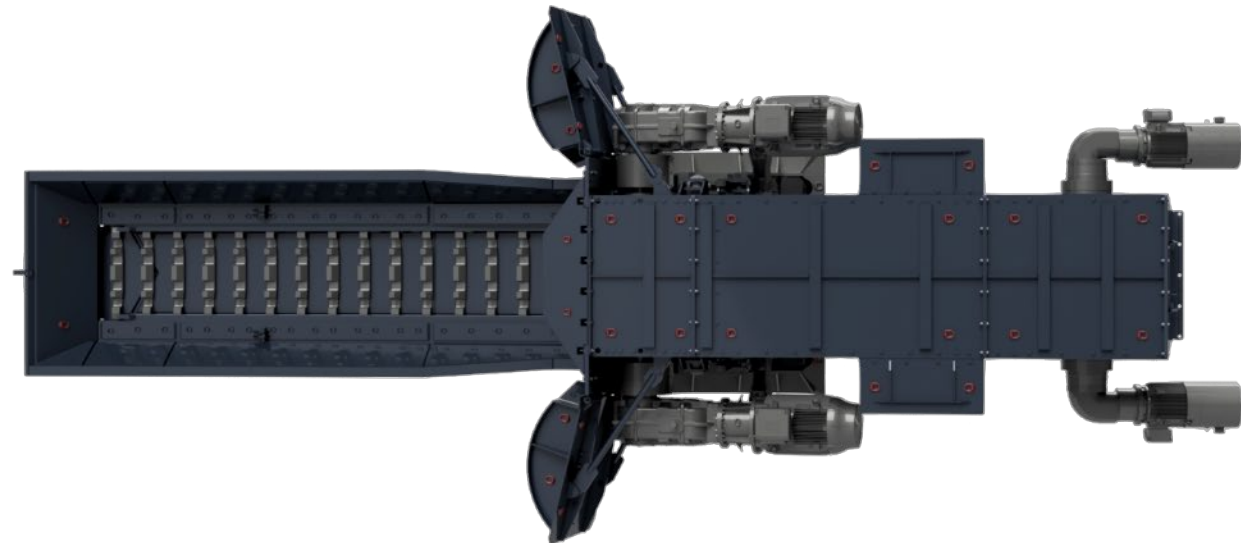
Equipment

- Housing
 - Heavy-duty construction with the aim to handle the load of the crushing roll and to avoid spraying fragments
- Crushing Roll
 - Drum equipped with round shaft picks with the aim to shear the material in front of the crusher roll
- Drive System
 - Single or double drives are used on crushing roll and chain feeder
 - Power transmission may be realized via planetary bevel gears or V-belt drive



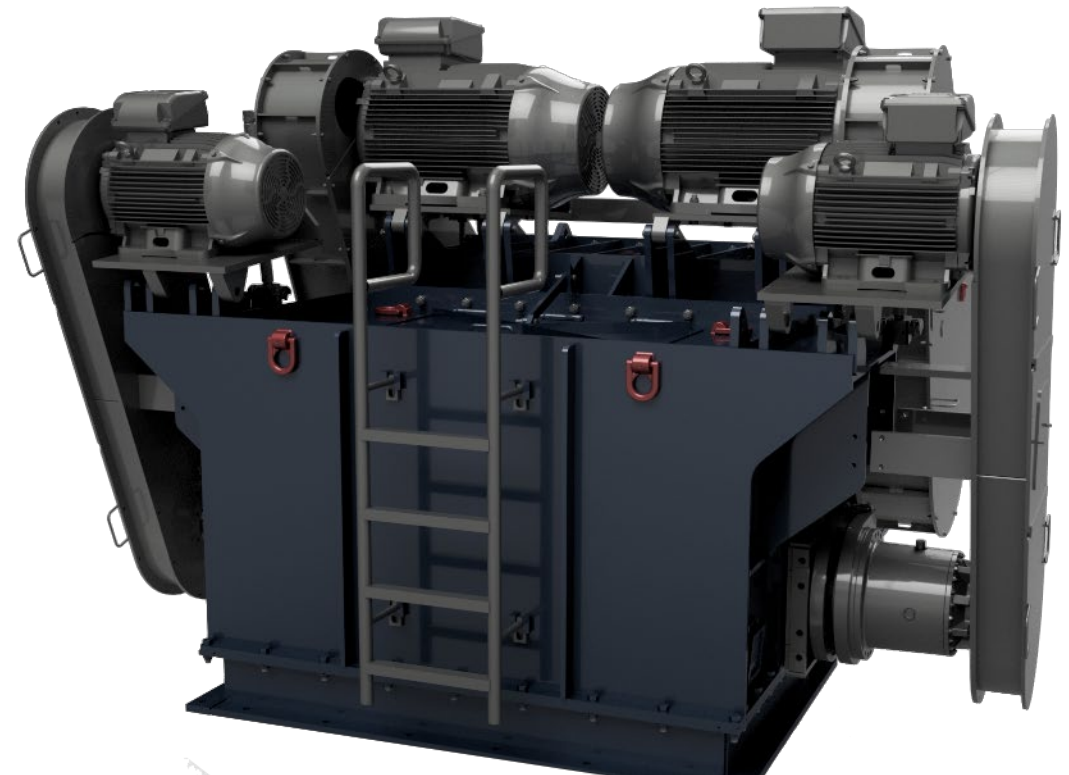
Equipment

- Chain Feeder
 - Extremely robust designed chain feeders, which are reinforced beyond the crushing zone
 - Numerous profile elements, which are joined together by pins and screws
 - Lengths of the conveyor in front and behind of the crushing roll are incrementally customizable
 - Device to tighten the chain is integrated within return unit
 - Chain reversing shaft moved by a manually driven spindle or hydraulic cylinders



Equipment

- Equipment alternatives:
 - Feed hopper
 - Integrated roller screen in chain conveyor
 - Variable length of chain conveyor
- Mobility options:
 - Floor mounted
 - Roof hanged
 - On skids: Rigid or adjustable
 - Crawler tracked
 - Self-propelled on crawler tracks

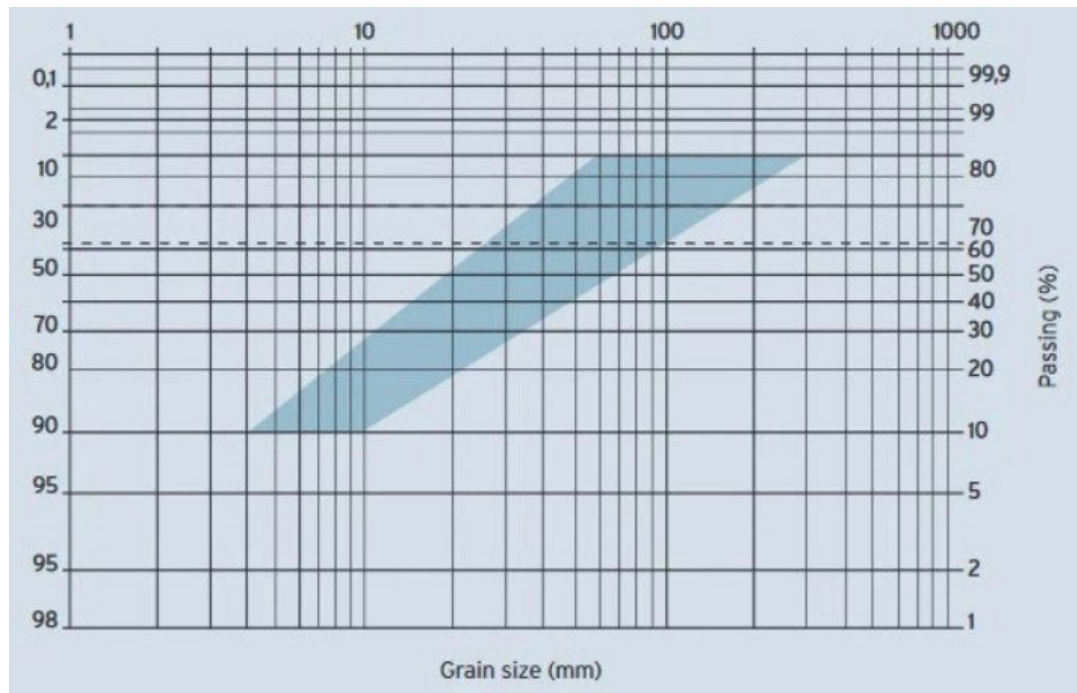


Product Description

Type	Average feed size [mm]	Throughput rate [t/h]	Drive capacity [kW]
HFB 0714	500 x 1.300 x X	250 - 500	90 - 160
HFB 1014	800 x 1.300 x X	500 - 1.000	110 - 200
HFB 1111	1.200 x 1.100 x X	300 - 500	90 - 160
HFB 1414	1.500 x 1.400 x X	700 - 1.100	132 - 320

Values are variable and can be aligned to the particular requirements.

Granulation Curve





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