





HAZEMAG – Facts and Figures





Headquarter: Dülmen, Germany

History: 1842 / 1946

Employees: app. 200 HAZEMAG

app. 400 Group

Annual

turnover: 75 Mio. EUR HAZEMAG

110 Mio. EUR Group

Shareholders: 70.5% Schmidt Kranz-Group

29.5% Sinoma

Business Purpose

Development, design, fabrication, sales and service of PROCESSING and MINING Equipment (Components up to Turn Key Plants)

The HAZEMAG Group





Product Range - Overview



Crushing & Milling

- Roll Crusher / Sizer
- Impactors
- Hammer Crusher
- Impact Roll Crusher
- Feeder Breaker
- Crushing Plants

Feeding & Screening

- Apron Feeder
- Chain Conveyor
- Push Feeder
- Wobbler Screens

Drying & Grinding

- Rapid Dryers
- Drying with Hammer Mills

Drilling

- Drilling Jumbos
- Drilling Machines
- Handheld Drilling Machines

Heading & Loading

- Road Heading Machines
- Dinting Loaders
- Side-Tipping Loaders







Product Range – Selection Criteria for Crusher

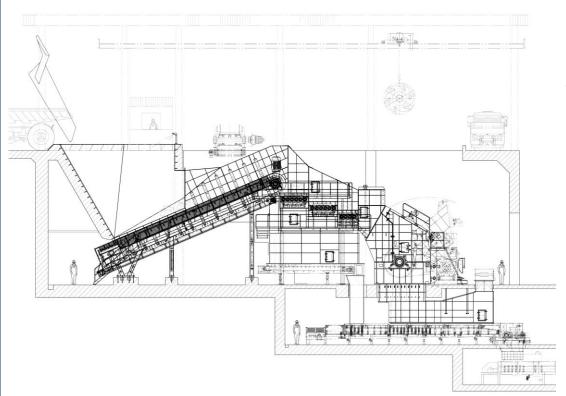


				Max. Capacity	Max. Feed Dimension	Max. Compr. Strength	Max. Crushing Ratio		Product	Typical Feed Material	Max. Silica Content	Max. Moisture
Design		Туре	Design	[t/h]	[mm]	[Mpa]	from	to	[mm]		[%]	[%]
Impact Crusher	primary	HPI	16	2500	2800	200	1:8	1:25	0 -120 (70)	limestone demolition rubble	10	8
	secondary	HSI	16	800	300 (500)	200	1:8	1:12	0 - 45	limestone gravel basalt	8	5(8)
	tertiary	нті	144	150	70 (150)	200	1:5	1:10	0 -4 (12)	limestone gravel basalt	4	2
Compound Impact Crusher	primary	AP CM	366	2000	2800	200	1:20	1:50	0 - 50	limestone	10	8
Double Shaft Hammer Crusher	primary	HDS		2500	1800	120	1:10	1:80	0 - 30 (50)	limestone	10	16
Hammer Mill with variable grinding path	secondary	HUV		800	250	120	1:10	1:15	0 - 40	limestone	8	6 (12)
Hammer Mill	tertiary	HNM HUM	(C)	250	70 (100)	120	1:8	1:12	0 - 5 (2)	limestone	6	2 (8)
Impact Roll Crusher	primary	ннс		2000	2400 x 8000 x 1400	200	1:5	1:10	0 - 200 (150)	coal, limestone demolition rubble	10	20
Double Roll Crusher	primary	HRC		4000	1800	150	1:3	1:5	0 - 350	limestone, coal	10	20
Double Roll Crusher	secondary	HRC		1200	350	140	1:3	1:5	0 - 150	limestone, coal	10	20
Center Sizer	primary	нсс		4000	1800	150	1:3	1:6	0 - 350	limestone	8	20
Center Sizer	secondary	нсс	90	1200	300	150	1:4	1:7	0 - 150	limestone, clay	8	20
Side Sizer	secondary	HSS		1500	300	110	1:4	1:7	0 - 120	coal	8	20
Feeder Breaker	primary	HFB		1000	1700	105	1:5	1:10	0 - 120 (80)	coal clay	10	30

All values are approximate and refer to the processing of limestone. They may differ with different material properties and processing tasks.

Cement & Aggregates - Application in Indonesia





Crushing of 2,500 tph limestone and clay from 1,200 mm to 80 mm for cement production

Client: Bayah Cement Plant

Sold via: Sinoma, Nanjing

Location: Bayah

Commissioning: scheduled for 2015 HAZ Products: Apron Feeder HAF

Roller Screen HRS

Impact Crusher HPI

Cement & Aggregates - Products



Feeding: Apron Feeder HAF



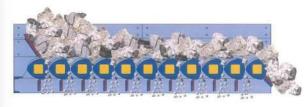


Capacity Length Width

up to 10,000 tph max. 25 m max. 3 m

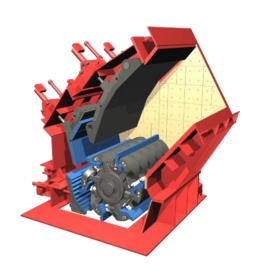
Screening: Roller Screen HRS





Capacity Feed size Separation up to 2,500 tph up to 2,000 mm 20 – 120 mm

Crushing: Impact Crusher HPI

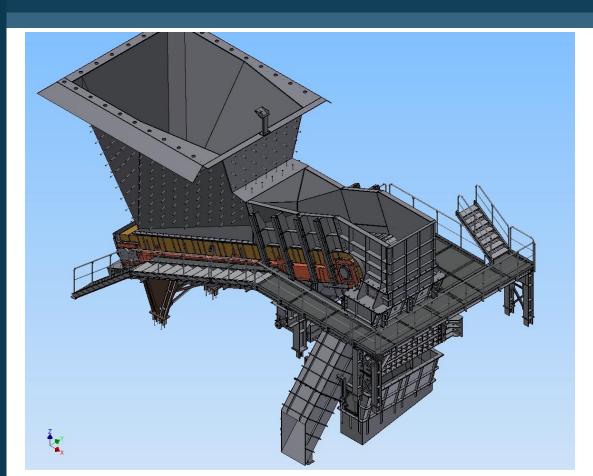


Capacity
Feed size
Final product

up to 2,500 tph up to 2,000 mm 0 – 80 mm

Cement & Aggregates - Application in Indonesia





Two identical plants for clay crushing at 400 tph from 400 mm to 50 mm product as raw material for cement production

Locations: Rembang, Java

Indarung Padang,

Sumatra

Commissioning: scheduled for 2015

HAZ Scope: Apron Feeder HAF

Center Sizer HCS

Belt Conveyor

Basic Engineering

Cement & Aggregates – Products



Feeding: Apron Feeder HAF





Capacity Length Width up to 10,000 tph max. 25 m max. 3 m

Crushing: Sizer HCS

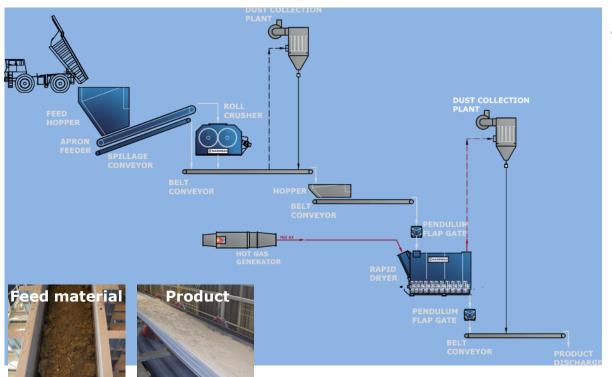


Capacity Feed size Final product

up to 4,000 tph up to 1,500 mm 0 - 40 mm

Cement & Aggregates – Application in Drying





Crushing and drying of clay from 25% moisture to <5% as raw material for cement production

Locations: Mordow, Russia

Commissioned: 2011

Capacity: 30 tph/90 tph

(2 lines)

Feed material: 0-300 mm,

moisture 25%

Product: 0-60 mm,

moisture 5%

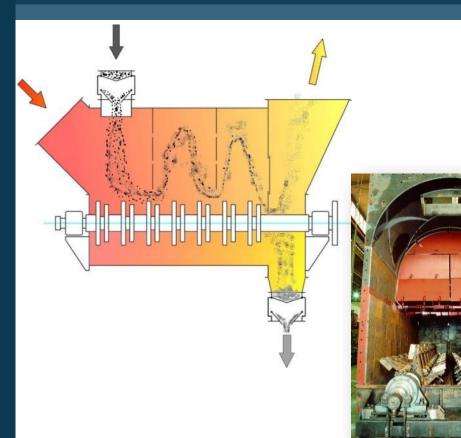
HAZ Scope: Apron Feeder HAF

Roll Crusher HRC Rapid Dryer ASS

Basic Engineering

Cement & Aggregates – Products







Type of dryer: Short-retention dryer Materials: Granular, pasty, slimy

materials

Examples: clay, fly ash, filter cake,

slurry, petcoke, chalk,

blast furnace slag,

Capacity: up to 150 tph

Hot gas temp: up to 800°C

Coal Mining – Application in Indonesia







Conveying of 2,500 tph crushed coal from floating terminal to ocean liner for export

Client: ASL Energy Location: Kalimantan

Commissioned: 2005

HAZ Products: 3x Reclaim Feeder

Coal Mining – Application in Indonesia





Crushing of 1,000 tph coal from 600 mm to 65 mm

Client: PT. Indonesia

Pratama

Location: Buluksen, Tabang

Commissioned: 2014

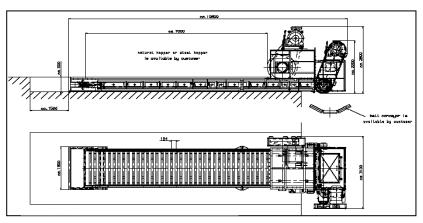
HAZ Products: Roller Screen HRS

Feeder Breaker HFB

Coal Mining – Products



Conveying & Crushing: Chain Conveyor HCC / Feeder Breaker HFB



up to 4,000 tph

up to 1,500 mm

Capacity
Feed size
Final product
Features

50 – 150 mm stationary or semi mobile with or without foundation with or without feed hopper



THANK YOU



