

A TEC ROCKET MILL MOBILE

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A TEC ROCKET MILL MOBILE

MOBILE MILL FOR ALTERNATIVE FUEL PREPARATION

A TEC has developed a mobile grinding mill, the Rocket Mill® RM 2.00 single, to demonstrate the benefits of A TEC's grinding technology.

The mill consists of one grinding chamber with approx. 2m diameter and 315kW installed power at the main drive. This will give roughly the half capacity of the double chamber Rocket Mill® RM 2.50 double.

A TEC alternative fuel preparation technology offers the following primary benefits compared to conventional technologies:

- Size reduction from 250 mm to 15 mm in one grinding step
- Saving of one shredding step
- Easy to operate
- Easy maintenance
- No knives
- Different output fuel particle sizes for main burner and calciner possible
- Drying effect during operation
- Significant reduction of fuel costs
- Reduction of CO2 emissions
- Requires only two fuel preparation steps
- Separated FE and non-FE materials can be fed back to the recycling process
- Reduction of coal consumption

CHARACTERISTICS

Rocket Mill® RM 2.00 single is a semi mobile version installed in a container. This ensures:

- Compact design
- Small foot print
- Easy erection

TECHNICAL DATA

20ft. High Cube Sea Container

- Dimensions: 6,058 x 2,438 x 2,891 m [LxWxH]
- Weight: approx. 22 t

Basic data of Rocket Mill RM 2.00 single

- Drive Unit: 1 x 315 kW
- Rotor Speed: 750 rpm



PROCESS DATA

RDF for main burner 90% < 25-30 mm

- Throughput: 6-7 t/h
- Specific Power consumption: 30-35 kWh/t
- Output size: 90 % < 25 mm
- ~ 50 % < 10 mm

RDF for main burner 90% < 50 mm

- Throughput: 10-12 t/h
- Specific power consumption: 20-25 kWh/t
- Output size: 90 % < 50 mm
- ~ 50% < 15 mm



Due to the compact equipment the required installation space is very small. Additionally only small connecting works to the existing equipment are necessary.