

# A TEC Rocket Mill

## DRYING AND GRINDING IN ONE STEP

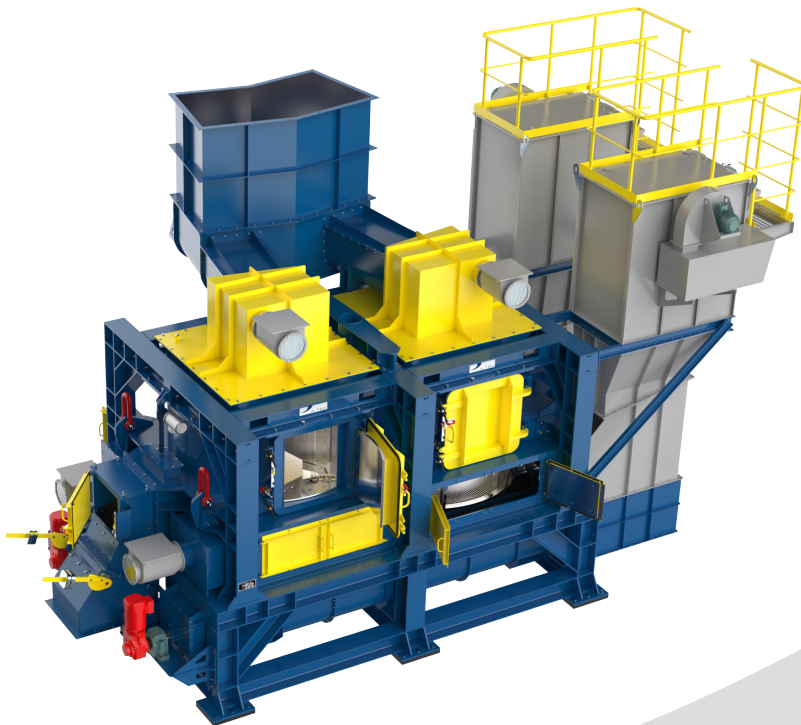
The Rocket Mill is A TEC's innovation for alternative fuel preparation which combines drying and grinding in one step. The machine is equipped with two grinding chambers which can be independently loaded. Permanent control of the mill power guarantees optimum and secure utilization. Input material less than 250mm can be fed directly to the Rocket mill. For untreated alternative fuel resources usually only one pre-shredding step followed by a sieving step,

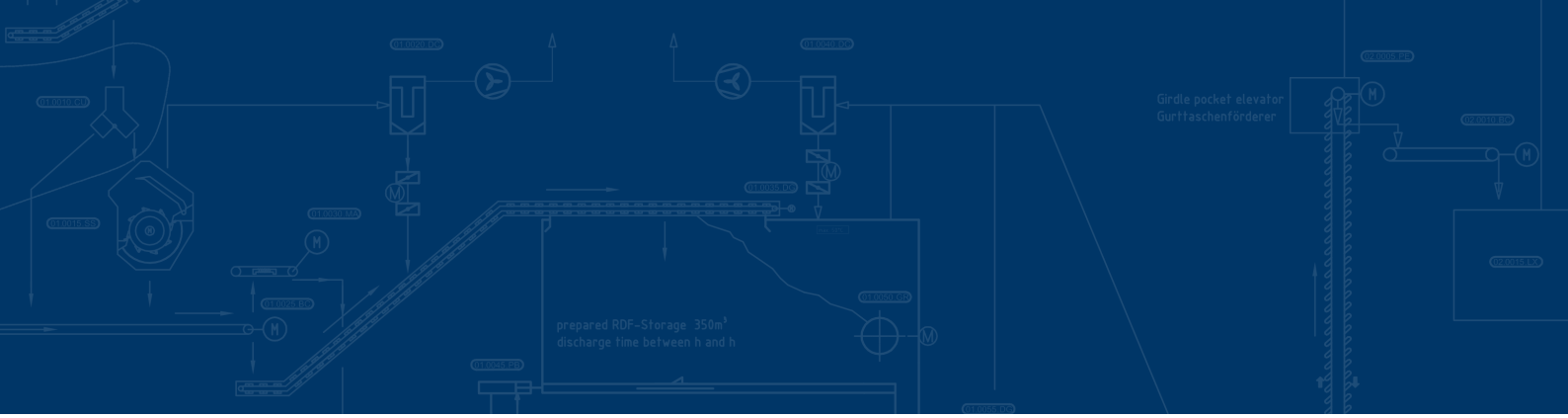
which is sorting out the organic, and a magnetic separation is required.

Interchangeable perforated screens will adapt the size of the final product to the optimum for the customer pyrolysis process. Due to the grinding technology, a drying effect of approx. 10 percent is given. Additional drying with process waste gas is possible to achieve a higher drying rate. The ultra-fines are dedusted and also dosed to the kiln system.

### FACTS & FIGURES

- Capacity:  
8-10 t/h < 15 mm final product
- Dimensions:  
8.530 x 4.160 x 6.000 mm
- Weight: approx. 62.000 kg
- Drive Unit: 2 x 315 kW
- Rotor Speed ~ 580 rpm





## CHARACTERISTICS

- Size reduction from 250 mm to 15 mm in one grinding step
- Saving of one shredding step
- Easy to operate
- Easy maintenance
- No knives
- Drying effect during operation
- Separation of FE and non-FE materials
- Different output fuel particle sizes for main burner and calciner possible

## BENEFITS

- 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

## PROCESS DATA

### RDF for main burner < 15 mm

- Throughput: 8-10 t/h
- Specific power consumption: 50-60 kWh/t
- Output size: < 15 mm  
~ 50 % < 5 mm

### RDF for main burner < 30 mm

- Throughput: 15-17 t/h
- Specific power consumption: 30-35 kWh/t
- Output size: < 30 mm  
~ 40% < 10 mm