



Pulverizes  
up to 35 l  
to <15 µm  
in one  
working run

## THE NEW DRUM MILL TM 500

# PULVERIZATION OF LARGE SAMPLE VOLUMES UP TO 35 L

The new Drum Mill TM 500 is equipped with a 150 l drum and pulverizes up to 35 l of sample to grind sizes below 15 microns. A sufficiently large number of grinding balls needs to be employed to ensure effective grinding.

## AT A GLANCE

Applications	Size reduction, mixing
Typical sample materials	activated carbon, alloys, bentonite, bones, carbon fibers, catalysts, cellulose, cement clinker, ceramics, chemical products, clay minerals, coal, coke, compost, concrete, electronic scrap, fibers, gypsum, glass, hair, hydroxyl apatite, kaolin, lime stone, metal oxides, minerals, ores, paint and varnish, paper, pharmaceutical products, pigments, plants, polymers, quartz, seeds, semi-precious stones, sewage sludge, slag, soil, tissue, tobacco, waste, wood, etc.
Feed material	soft, hard, brittle, fibrous

### FEATURES

Size reduction principle	impact, friction
Material feed size*	≤ 20 mm
Final fineness*	~ 15 µm
Batch size/feed quantity*	35 l
Material of grinding drum	Standard steel, 316 L stainless steel
Nominal volume of drum	150 l

### TECHNICAL DATA

Drive power	2200 W
Dimensions ( W x H x D)	1100 x 1604 x 936 mm
Weight	approx. 460 kg

\*depending on feed material and instrument configuration

## GRINDING OF GRAVEL

### Sample:

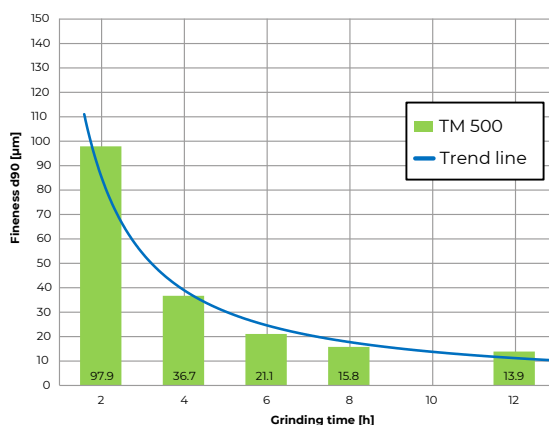
Gravel 10-15 mm

### Feed quantity:

27 l

### Grinding balls:

80 kg, 20 mm diameter



## BENEFITS

- | Initial feed size up to 20 mm
- | Final fineness <15 µm
- | Variable speed 10 – 50 min<sup>-1</sup>
- | Calibration function
- | Grinding balls/sample separation unit
- | Easy tilt to empty the drum
- | Long-term grinding up to 100 h possible
- | Interval mode with/without direction reversal
- | Start Delay
- | 316L version "TM 500 foodGrade" available

## EASY OPERATION

Thanks to the feed hopper and grinding balls/sample separation unit, operation of the TM 500 and handling of the required 80 kg of grinding balls are particularly ergonomic and simple. Parameters like grinding time, start delay interval mode are selected and stored via the operating display. Thanks to programmable grinding breaks it is also possible to process heat-sensitive sample materials.



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