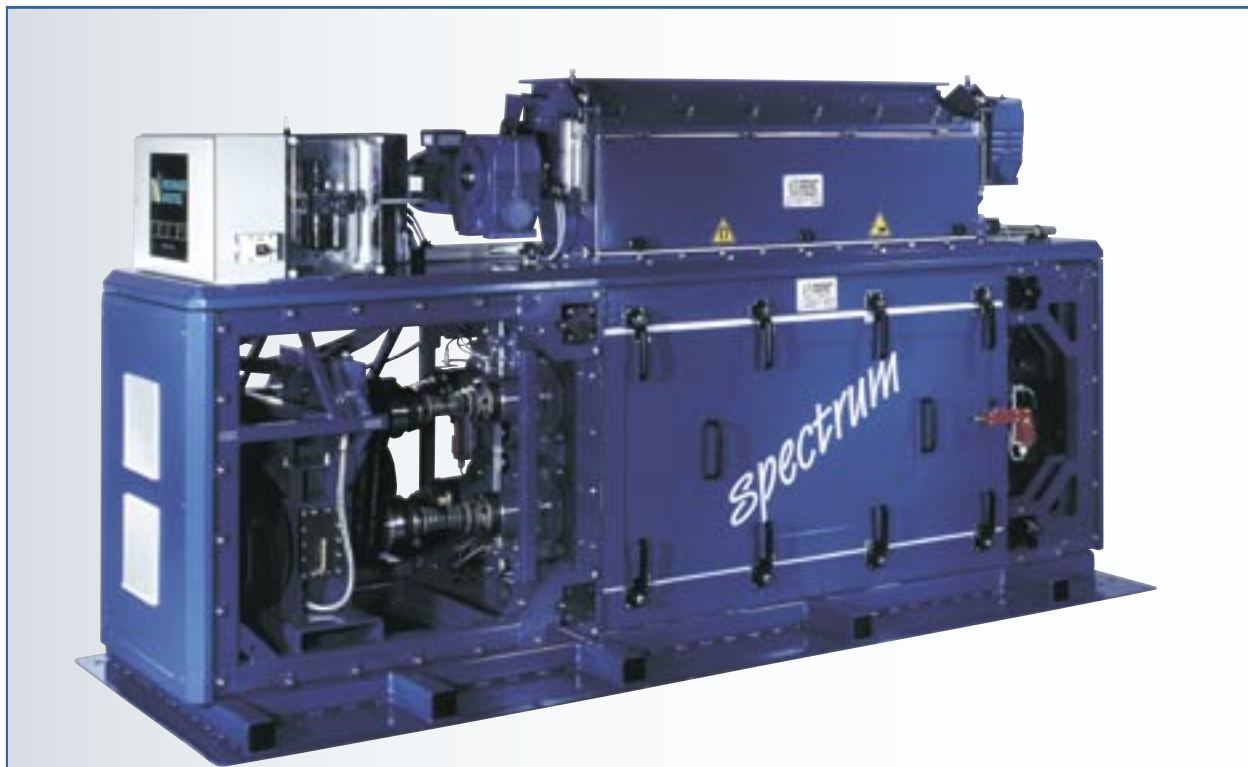


# Grinder WMC

## Crushing with narrow particle size distribution

- Low-dust crushing
- Remote control
- Narrow particle size distribution
- For chemical and pharmaceutical products



## Grinder WMC

The grinder WMC ensures low-dust crushing with narrow particle size distribution.

The narrow particle size spectrum is achieved by means of a continuous compressive-shear-stress between two corrugated rolls and a defined roll gap.

### Product examples:

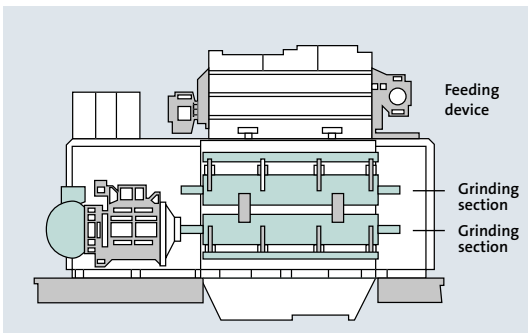
The grinder crush soft, brittle or sticky products, such as:

SAP	polymer
urea	potash
polyacrylate	phenolic plastics
calcium sulphate	ammonium nitrate
pectine	crushed tablets
ammonium bicarbonate	electronic waste

- Maximum product hardness: 4 - 6 Mohs
- Achievable product fineness: approx. 100 µm
- Narrow particle size spectrum of the final product

### Grinding sections:

- Central drive via V-belt and main gearbox
- Rolls driven by universal joints
- Different corrugation of the rolls to suit product specification
- Servomotors for roll gap adjustment
- Disengagement of the rolls if foreign bodies enter the machine, and readjustment to the required roll gap
- Quick disengagement of rolls is possible
- Variable drive system. Drive capacity up to 30 kW per section, depending on requirement
- Smooth inner surfaces
- Dust-tight design



### Product supply / proportioning:

- Uniform feeding over the entire roll length is ensured by a roll feeder or alternatively by a vibrating feed chute.
- Continuous adjustment of the capacity is possible
- Inspection glass for control of product flow

### Design and options:

- All product-contacting parts are made of stainless steel, material No. 1.4571
- Electrical switch cabinet, incl. visualisation
- Explosion-protected design
- High-alloy rolls (Cr)
- Cooling rolls
- Equipotential bonding against static charging
- Contactless roll seal
- Aspiration connection
- Connection for inert gas supply
- Permanent magnet above the rolls
- Gas-tight design

### Range of capacities:

5 roll lengths:	700 – 1000 – 1400 – 1500 – 1700 mm
Roll diameter:	250 mm

### Combinations:

Due to the sectional design the following combinations are possible:

Type WMC 1:	one grind
Type WMC 2:	two grinds
Type WMC 3:	three grinds
Type WMC 4:	four grinds

