

Crushing

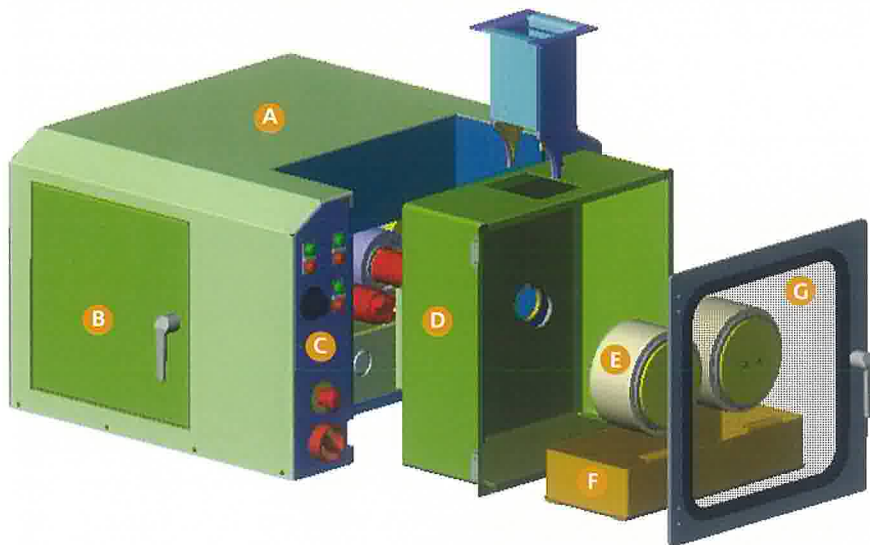


Roller Mill FM 2/...

Crushing · Screening · Conveying · Proportioning · Separating · Plant Engineering · Process Engineering

- Grinding of mostly expensive small charges
- Diameter of rollers: 200 mm, working width: 100 or 200 mm
- Defined final grain size by adjusting grinding gap (accuracy 0,1 mm) and friction
- Equal product f. e. feeding by proportioning conveyor with hopper
- Changing of grinding tools, cleaning of the grinding chamber on the face
- Plant design according to the different specifications
- Used in the branches basic materials, chemistry, metallurgy and pharmacy

merz
Aufbereitungstechnik GmbH



- A** Drive chassis and cover for motors made of stainless steel
- B** Adjustment of grinding gap manual by handwheel (nonius = 0,1 mm)
- C** Operator panel with emergency shut-off, on-off and frequency converter
- D** Removable grinding chamber with heart-shaped plates and slide of dust proofness
- E** Dismantling of rollers on the face, tightened on the shafts
- F** Collecting drawer
- G** Door with safety switch

1 Type FM 2/1

- Conical hopper with cover and feeder
- Proportioning trough conveyor MRA 100/750
- Ceramic rollers type ZrO
- Operator panel with digital display: roller speed, "On-Off" equipment, emergency shut-off

2 Opened grinding chamber

- Collecting drawer made of PA
- Grinding chamber and inlet with heart-shaped plates coated with Teflon

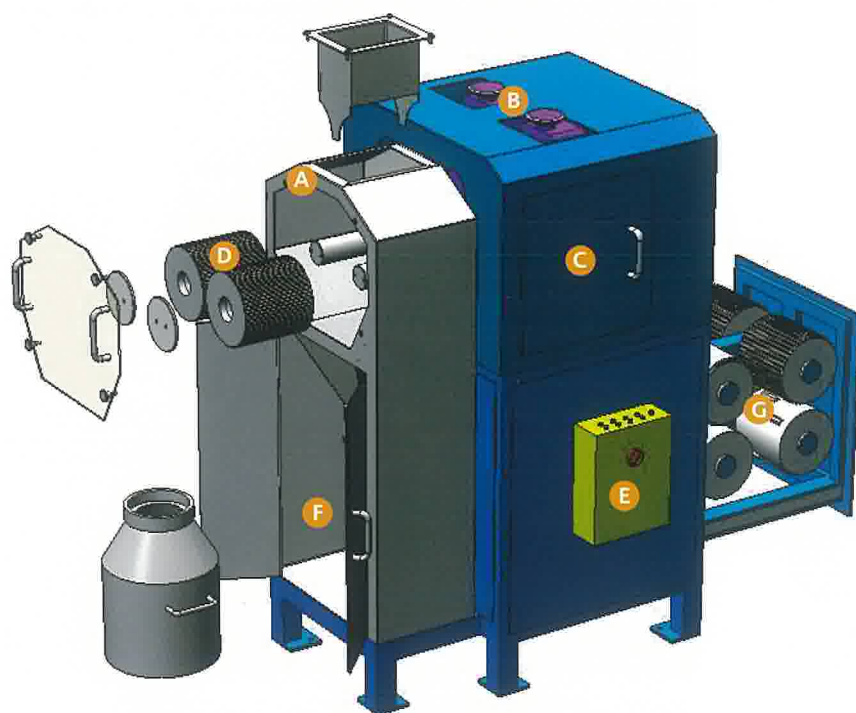
3 Type FM 2/1

- Parts contacted product made of stainless steel AISI 316 Ti
- Ceramic rollers Al_2O_3
- Inside coated with Teflon



Title: Grinding chamber of Roller Mill type FM, coated

Roller Mill type FM 2/1



- A** Grinding chamber with heart-shaped plates and hopper for fines
- B** Drive chassis and cover of speed varied motors
- C** Grinding gap adjustment manual by hand-wheel (nonius = 0,1 mm)
- D** Dismantling of rollers on the face tightened on the shafts
- E** Switchboard with emergency shut-off, on-off and frequency converter
- F** Floor unit for storing of the collecting container
- G** Backside floor unit constructed as a drawer with holders for tools

4 Type FM 2/2

- Hopper and proportioning trough conveyor
- Control panel with display for power input

5 Type FM 2/2

- Discharge aligned at available containers
- Grinding chamber removable for cleaning

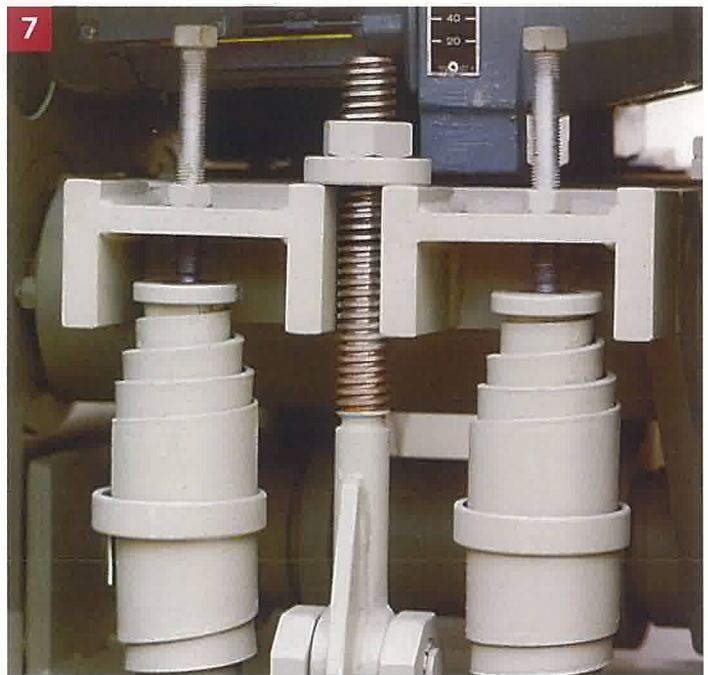
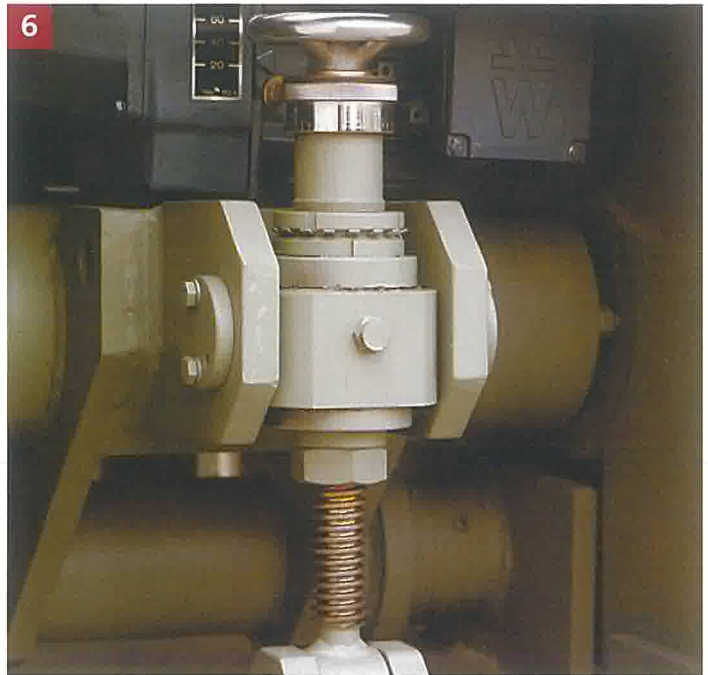


Roller Mill type FM 2/2

- 6 Roller Mill type FM 2/...**
 - Handwheel to adjust the grinding gap
 (nonius = 0,1 mm)

- 7 Roller Mill type FM 2/...**
 - Spring system, protection against waste product

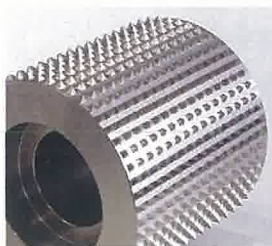
- 8 Roller Mill type FM 2/2**
 - Feeding by hopper and proportioning
 by trough conveyor
 - Rollers made of ceramic Al_2O_3
 - Parts contacted product special coating type hallar



Roller shell type "K"
 ceramic (Al_2O_3), smooth



Roller shell type "PN-3"
 pyramid teeth
 (height 3,0 mm)



Roller shell type "PN-5"
 pyramid teeth
 (height 5,0 mm)



Roller shell type "R-GG"
 groves rough, straight
 (3 per 1 cm)



Roller shell type "R-FG"
 groves smooth, straight
 (15 per 1 cm)

Roller materials:

- Different non-corrosive steels
- Surface-hardened carbon steels
- Wear-resistant steels

- Ceramic type Al_2O_3 , ZrO
- Hard metal Wc
- Coatings

Planning manuals
 on request

Roller Mill type FM 2/...