

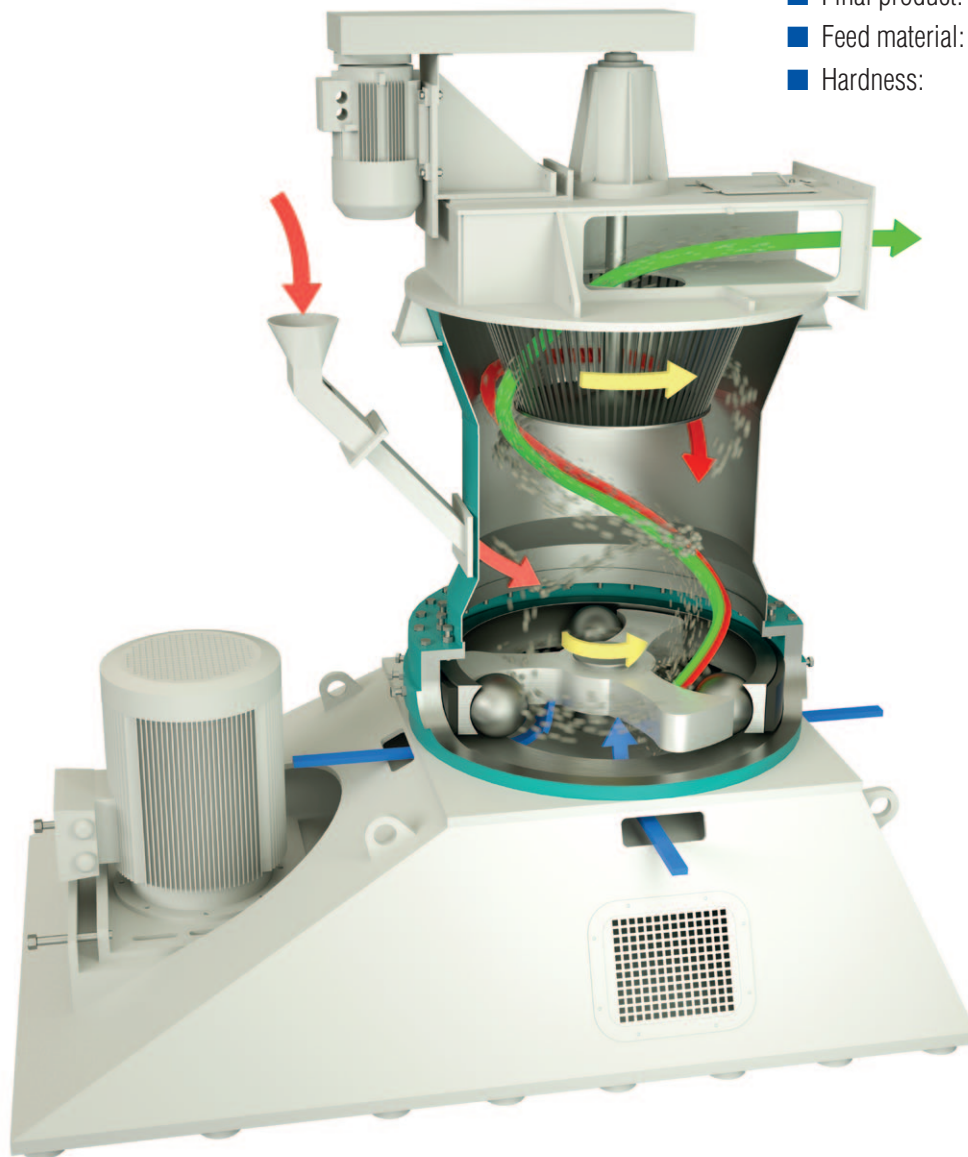


**EIRICH**

# OrbitMill®

**For fine grinding of industrial minerals**

- Final product:  $d_{97} = 20$  up to  $400 \mu\text{m}$
- Feed material: up to  $20 \text{ mm}$
- Hardness: up to  $5 \text{ Mohs}$



The Pioneer in Material Processing®

**GRINDING TECHNOLOGY**

# OrbitMill® for fine grinding of industrial minerals

## The OrbitMill® in a glance

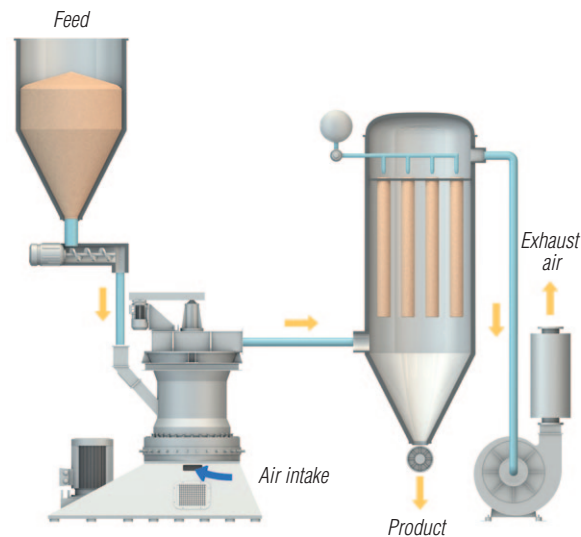
- Centrifugal ball mill
- Similar plant layout and operation than conventional roller mills
- Simultaneous grinding and drying possible

## Advantages

- Simple machine construction
- Easy maintenance
- No heavy concrete foundation required
- Only few wear parts; i.e. reduced wear part costs

## Operation Principle

The mill rotor moves the grinding balls along the orbit/grinding ring. Due to the centrifugal forces acting on each grinding ball the material to be ground is reduced by pressure and friction between the balls and the orbit. The airflow allows a continuous process. The product fineness is adjustable by the speed of the incorporated dynamic air classifier.



Mill size OM	Orbit	Ball	Ball Number	Motor power kW	Airflow m <sup>3</sup> /h	Capacity t/h		
	Diameter mm					d <sub>97</sub> = 20 µm	Lime stone d <sub>97</sub> = 40 µm	d <sub>97</sub> = 105 µm
60	600	160	3	15	3000	0.3	0.6	1.2
100	1000	260	4	37	7000	0.8	1.5	3.2
120	1200	260	6	55	11000	1.2	2.2	4.7
150	1500	400	4	75	13000	1.6	3.3	6.0
180 A	1800	400	6	132	20000	2.8	4.7	8.8
180 B	1800	480	6	160	23000	3.5	5.7	10.6