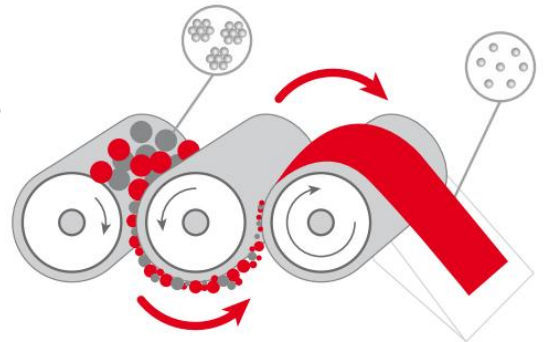




# Three Roll Mill

It uses shear force created by three horizontally positioned rolls rotating in opposite direction and different speeds relative to each other, in order to grind, disperse and homogenize.



## Key Technology

### Concentricity (coaxiality)

Take the axis to mount the bearings of both sides as a benchmark, the variation of ceramics overall size (corresponding axis) (unit:  $\mu\text{m}$ )

### Straightness

Roller is produced via processing technic, roller's straightness closes to the level of physically absolute straight line.

### Surface Finish

At the micro-scale, material's microscopic level on the solid material's processing surface closes to the level of theoretically absolute level condition (thinner the dimension, little the drop, higher the degree of finish).



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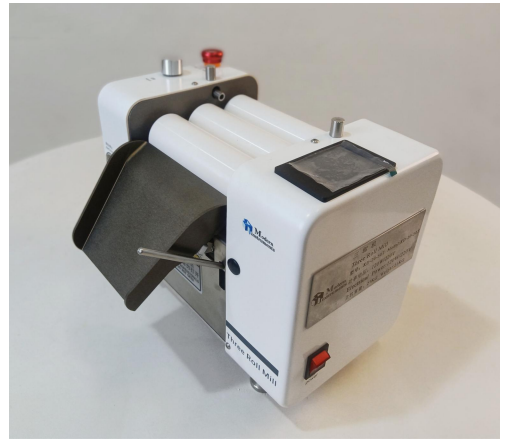
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## Product features

- Variable speeds
- Hopper(option)
- Adjust the gap between two rolls by single handle, moment balance,easy to operate
- Ceramic roller precision:concentricity<2 micron、Straightness<2 micron、 Surface finish<0.3 micron



XD-20-50T

## Technical Specification

Equipment Type	XD-20-50	XD-20-50T
L/hour	0.02-5L/hour	
Roller Material	Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> /SiC/Si <sub>3</sub> N <sub>4</sub>	
Scraping knife material	ZrO <sub>2</sub> /Stainless/Polyester	
Roller Diameter	50mm	
Roller Length	150mm	
Ratio of Transmission	1:2:4	
Electrical Control	Knob speed regulation, forward and reverse control	Touch screen speed control,knob speed control, spacing display, speed display
Power Configuration	DC motor with speed regulator	
Power,Voltage	120W,220V	
Dimension (mm)	L342×W349×H292	L360×W277×H285
Net Weight	20kg	21kg



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