

## Laboratory Three Roll Mill



This machine applies to product with high viscosity or paste which is poor mobility and need high fineness requirement, After our constantly improve and optimize, ELE developed EGW series three roller mill with unique performance in production.,flexibility,operation and safety aspects.EGM even roller technology ensures the eve quality of product on the entire roller surface.Roller which is made of hard wearing alloy, the roller is driven by motor, three rollers have three working position under working.

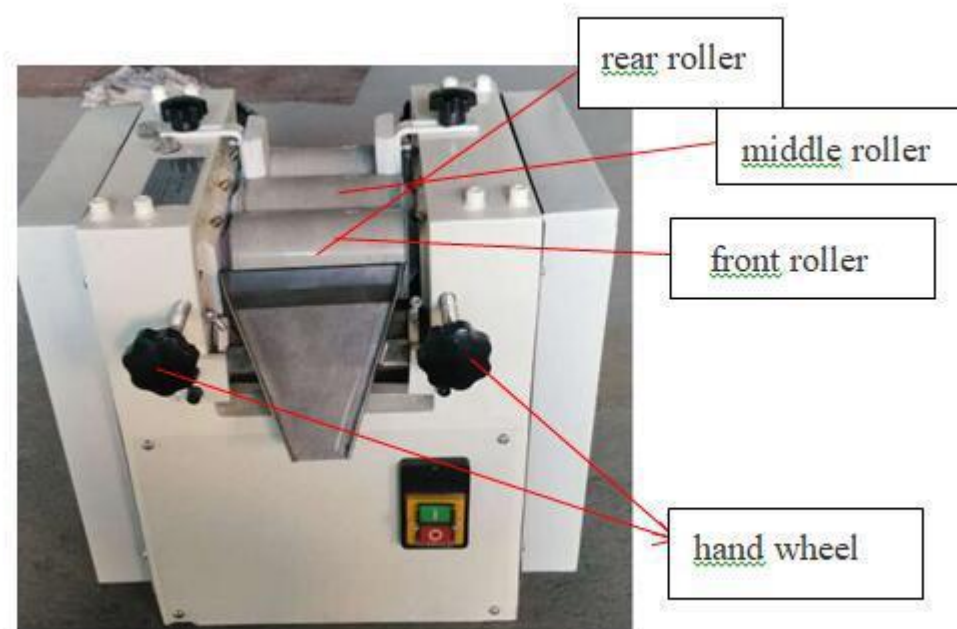
### **Working Principle**

The equipment consists of three rollers fixed on the frame and driven directly by the motor. The rotation direction between rollers is generally different, the front roller rotates forward while the rear roller rotates backward. The middle roller is fixed, and the front and rear rollers are mounted on the slide with spring device. Adjust the distance between three rollers by adjusting the hand wheel. The material discharged from space between rear roller and middle roller, are squeezed by the rollers to obtain smaller particle size. Then the material are rolled out by the fast roll(Roll rotates at high speed). The scrapper at the end of the fast roller separate material from the roller and fall into the collection barrels.

### **Specification**

- Manually adjust roller clearance, simple and reliable structure;
- Hard steel roller material as standard;
- Adopt gear rollers power transmission to get more stability and endurance.

## Machine details



## Advantages

- a. Manually adjust roller clearance, simple and reliable structure;
- b. Can be heated or cool be cycle hot water/oil,cooling water

## Application

Shanghai ELE lab use three roller mill is widely applied in institute experiment and trail production of paint, dye, printing ink, high viscosity pulp, agriculture chemicals, ceramic, adhesion and grinding paste slurry etc. Laboratory three roller grinding mill is currently one of the most popular grinding mill for paint, UV ink production.

## Data Sheet & Models

Model	Power (kw)	Roller (mm)	Fast rollers speed (rpm)	Low speed (rpm)	Middle speed (rpm)	High speed (rpm)	Height of discharge port (mm)
EGM-65	0.75	136	145	70	26	85	220

## Professional technical supports & Processing Machines

Our engineers are around 20years rich experience in this area, professional skills and stable processing.

## Maintenance & Services

1. Before order, customer can take materials to our lab and make test grindings, spot-testing parameters like particle size distribution, obtain reliable data for model selection;
2. We offer you Videos for equipment installation and maintenance in both English and Chinese;
3. After delivery, our professional engineer will offer on-site guidance debugging free of charge, according to different characteristic of materials, to set up the operational parameters of the mill and ensure optimal grinding quality & equipment running status;
4. After the warranty period, we provide maintenance and maintenance service, only charge the cost;