

## Industrial 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.

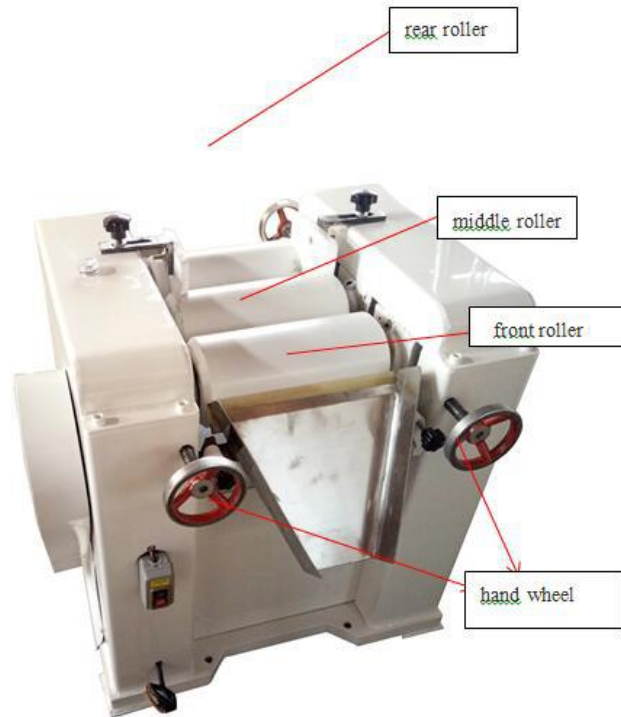
### **Working Principle**

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 speed of front roller is quicker while speed of rear roller is slower. 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. Since it produces a lot of heat in the grinding process, the center of each roller is hollow. Input water for cooling to ensure finished products with good quality.

### **Specification**

- Manually adjust roller clearance, simple and reliable structure;
- Suitable for grinding high-viscosity material;
- Cooling jacket roller design;

## Machine details



## Advantages

- a. Final fineness can be around 2-10um (measured by the fineness gauge)
- b. Manually adjust roller clearance, simple and reliable structure;

## Application

Shanghai ELE Industrial three roller mill is widely applied in institute experiment and trail production of paint, 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 (rpm)	speed	Low speed (rpm)	Middle speed (rpm)	High speed (rpm)	Height of discharge port (mm)
EGM-150	2.2	300	182		78	34	600	530
EGM-260	7.5	675	183		64	22.5	2368	530
EGM-405	15	810	130.5		42	13	5200	760
EGM-405II	22	1000	408		153	58	2000	760

### **Professional technical supports & Processing Machines**

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

We have lathes, grinder, drilling machine, boring machine, polishing machine, milling machine...etc.

### **Maintenance & Services**

- 1.Before order, customer can take materials to ourvlab and make test grindings, spot-testing parameters like particle size distribution, obtain reliable data for model selection;
- 2.Within 12-months warranty period, we promise to change damaged parts free of charge by air or by sea;
- 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.Meanwhile, our skillful grinding experts can offer you free professional technical consulting and service.