

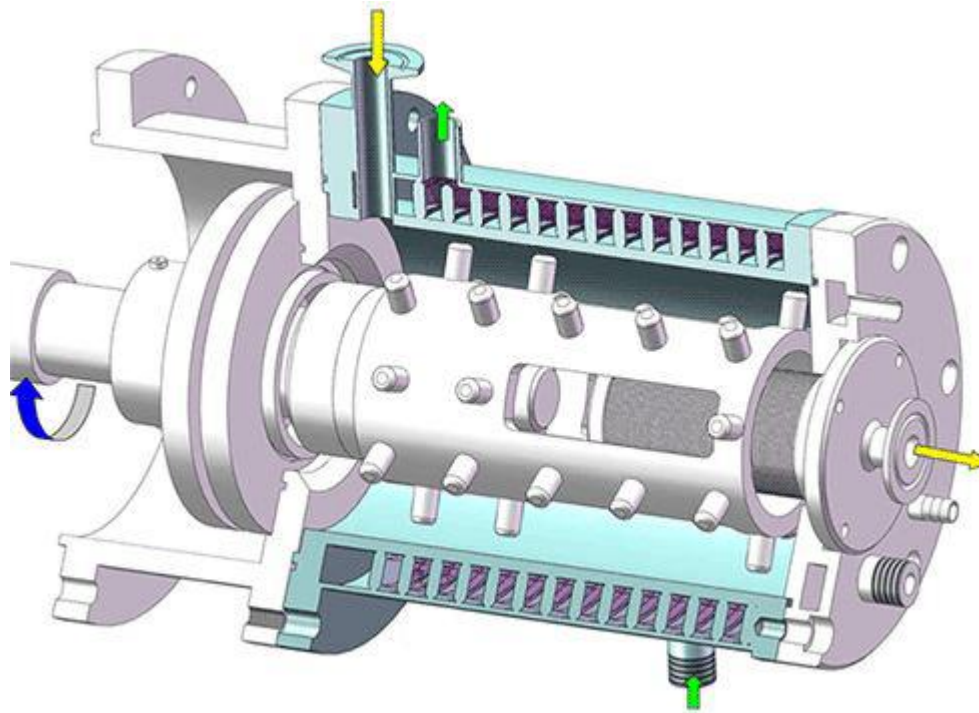
High Viscosity Conic Bead Mill



ELE Pin type bead mill is high energy & energy concentrated wet grinding mill.

ELE Pin type bead mill is Suitable for products with high viscosity, high solid content & high refining requirements, for continuous or circulating process operations.

EDW Pin type bead mill adopt unique large area tubular reseau centrifugal separator, precise separation & smooth discharging, solve the problems of slow discharging speed and blocking of grinding medium. It can use ultrafine grinding medium. At the smallest 0.05 discharging sieve can be applied.



Working Principle

Specification

- Final particle size is narrow distributed.
- ELE-NET0.05 discharging sieve is designed for superfine material, to ensure of large flow rate, and microbeads can be used at the same time;
- Unique double cartridge mechanical seal, to ensure long operation of shaft seal ,maximum 8 -10 kg pressure



Bead Mill Machine



High Viscosity Bead Mill

Machine details



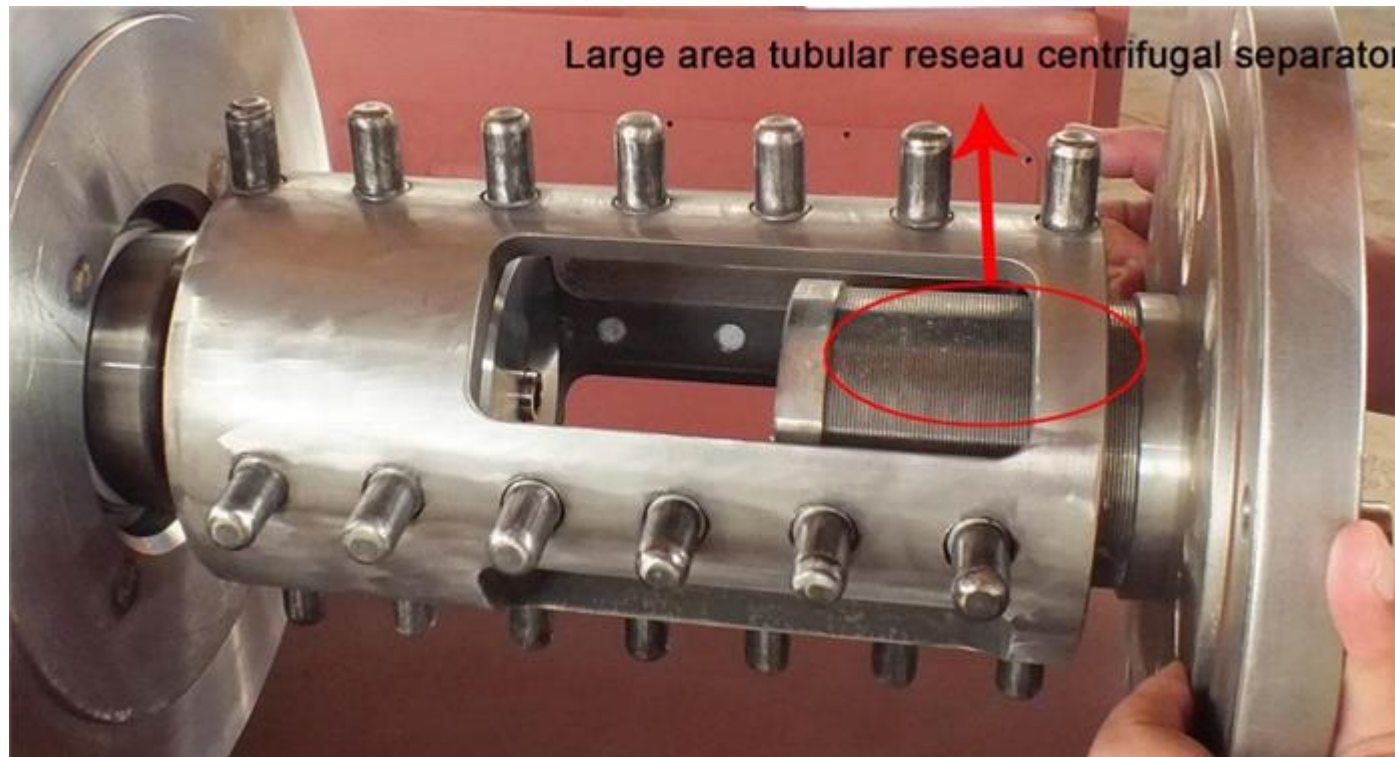
Advantages

Special Feeding System

Feeding pump with buffer tank to make sure feeding smoothly, buffer tank with pressure meter, If the grinding chamber is blocked, we can release the pressure from the buffer tank

Discharging System: New technology of Discharge method

Large Area centrifugal separator, the centrifugal wheel push away the grinding beads from the discharge sieve, make sure discharge smoothly, no blocking of beads



Special Mechanical Seal & Bearing Housing

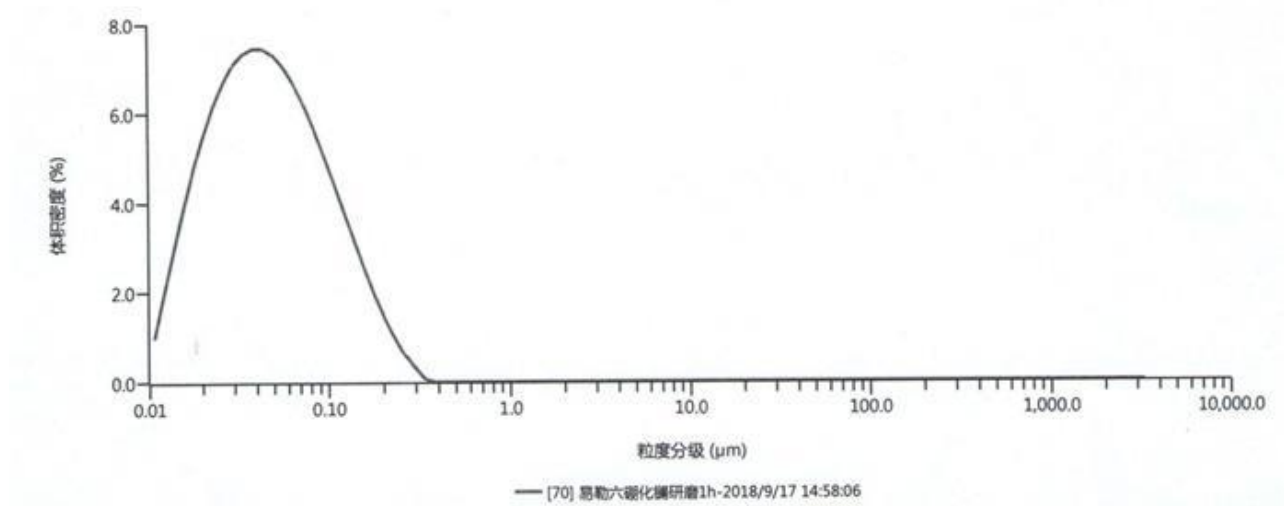
- Special double cartridge mechanical seal, ensure long operation of shaft seal, maximum 8 -10 kg pressure;
- Special Bearing Housing, match mechanical seal well, one whole part, ensure the accuracy to below 0.03mm. Make sure stable working & extend the long life.

Cooling system

- End cover corrugated cooling
- Cooling Tank for Mechanical Seal

Application

Pin type horizontal bead mill is suitable for 2microns, 1microns or even below 1microns, nanometers, like 50nm, 100nm, 200nm...etc



Coating: Water-based coating, Solvent-based coating, Decorative Coating, Latex paint;
 Paint: Car Paint, Finish paint, Wood paint, Industrial paint;
 Ink: Gravure Printing ink, Flexographic ink, Offset printing ink, Silk screen ink, UV light solid ink, Digital inkjet ink etc;
 Pigment: Dye, Color painted pigment, Pen liquid, Watercolor;
 Electronic Materials: Battery diaphragm alumina, Lithium iron phosphate, Ceramic slurry, Flame retardant;
 Food Industry: Chocolate Syrup, Paste etc;
 Pesticide: Pesticide suspension, EC, EW, ME;
 Daily Chemical Industry: Cosmetics, Liquid soap, Shower gel, Liquid detergent etc;
 Biological Medicine: Algae cell fragmentation, Micro-biological functional materials;
 Nano Materials: metal oxide, Magnetic Materials, Paper industry, Optoelectronic industry.

Data Sheet & Models

型号 Model	研磨腔体积 Chamber Volume(L)	主机功率 Power(kw)	转速 Speed(rpm)	流量 Flow (L/H)	外形尺寸 Dimension(mm)	整机重量 Weight(kgs)
EDW-5	5	11	0-1500	30-200	1100×850×1600	400
EDW-10	10	22	0-1200	50-300	1400×1100×1750	600
EDW-15	15	37	0-1200	100-500	1550×1100×1800	1200
EDW-30	30	55	0-1000	200-1000	1850×1300×1700	2200
EDW-50	50	75	0-860	>1000	2200×1500×1800	2800
EDW-100	100	110	0-750	>1500	3150×1500×2000	5500
EDW-150	150	250	0-580	>2000	3300×1500×2300	8300
EDW-400	400	500	0-480	>3000	3300×1500×2600	11700

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.



Office



Fine process center



Fine process center



Polishing center



Welding



Grinding

Maintenance & Services

1. We offer you Videos for equipment installation and maintenance in both English and Chinese;
2. 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;
3. After the warranty period, we provide maintenance and maintenance service, only charge the cost;
8. Meanwhile, our skillful grinding experts can offer you free professional technical consulting and service.