

Ink Bead Mill



ELE brand leads dispersion and grinding technology all along. High quality of end products depends on our fine processing and abrasion resistance processing for each components & parts.

Owing to mature-technology, reliable and advanced, numerous well-known manufacturers in the fields of printing ink, color paste, paint, nanomaterials, pesticide, etc, finally choose ELE Ink bead mill. Our engineers own rich experiences for a variety of materials. It is also our great achievement in the field of bead mill with 23 years special researches, meanwhile reliable & valuable resources for users.

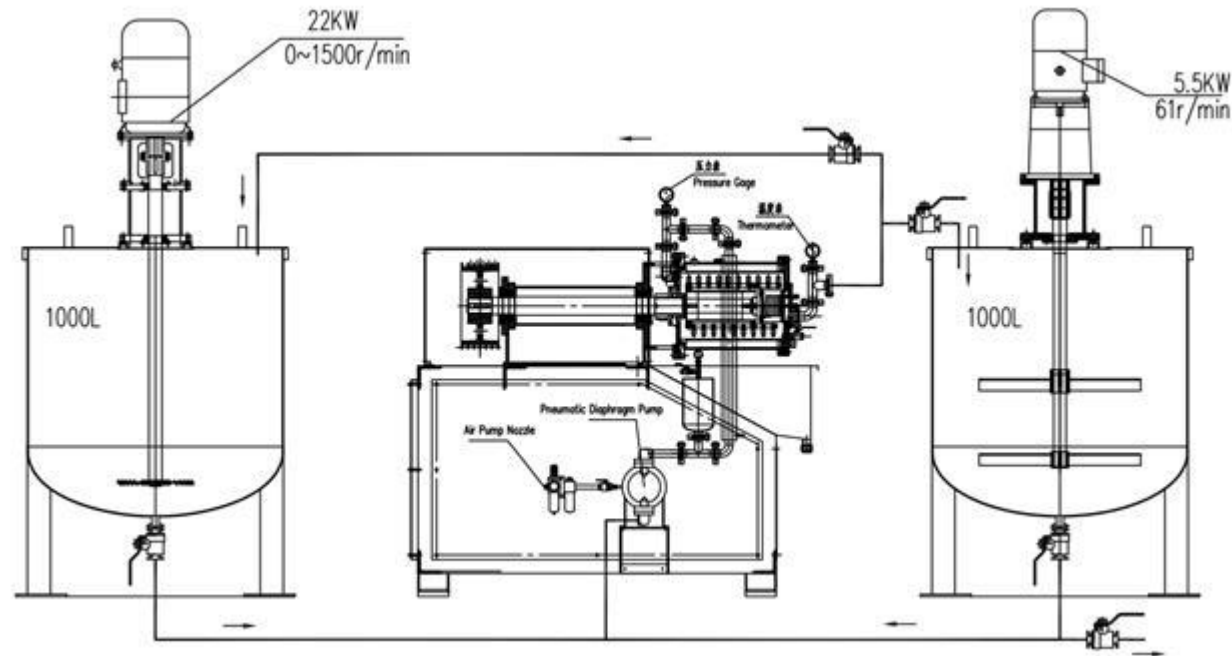


Ink Bead Mill



Bead Mill For Ink

Production flow for Ink making machine



Three Types of Contact material for option

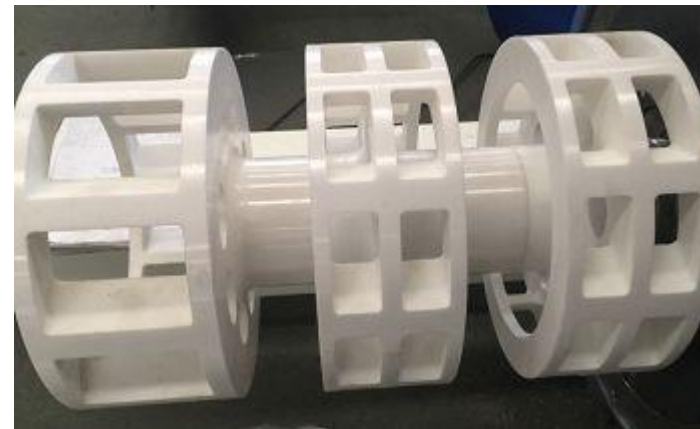
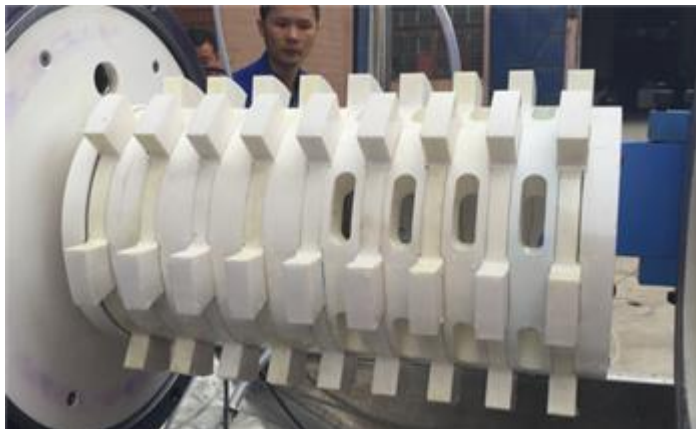
Harden Alloy Steel

Strong Wear resistance, Alloy with special treatment, Hardness reach HRC62



Ceramic

With Special ceramic material: zirconium or silicon carbide, Stronger wear resistance, No Metal contamination, Hardness reach HRC72-78.



PU polyurethane

No Metal contamination

Specification

- High Filling rate of grinding beads, more hit, more shearing force to the products, break down the particle size more quickly.
- Selection of special material (zirconia / silicon carbide/hard alloy steel etc.) enhance wearability of all processing contact parts,It adopts internal thread type cooling way, effectively improves heat dissipation the grinding chamber.
- Unique double cartridge mechanical seal, to ensure long operation of shaft seal ,maximum 8 -10 kg pressure

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

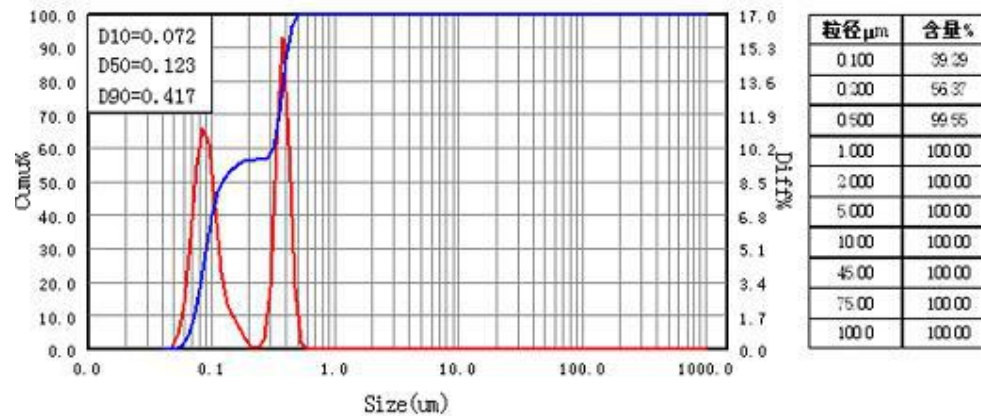
- Special double cartridge mechanical seal, ensure long operation of shaft seal, maximum 8 -10 kg pressure;
- Special Bearing Housing, match mechanical seal well, one whole part, ensure the accuracy to below 0.03mm. Make sure stable working & extend the long life.

Cooling system

- High efficiency large area spiral ribbon type jacket water circulation chamber wall cooling
- Cooling Tank for Mechanical Seal

Testing Report for ink

ELE ink 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;

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.