

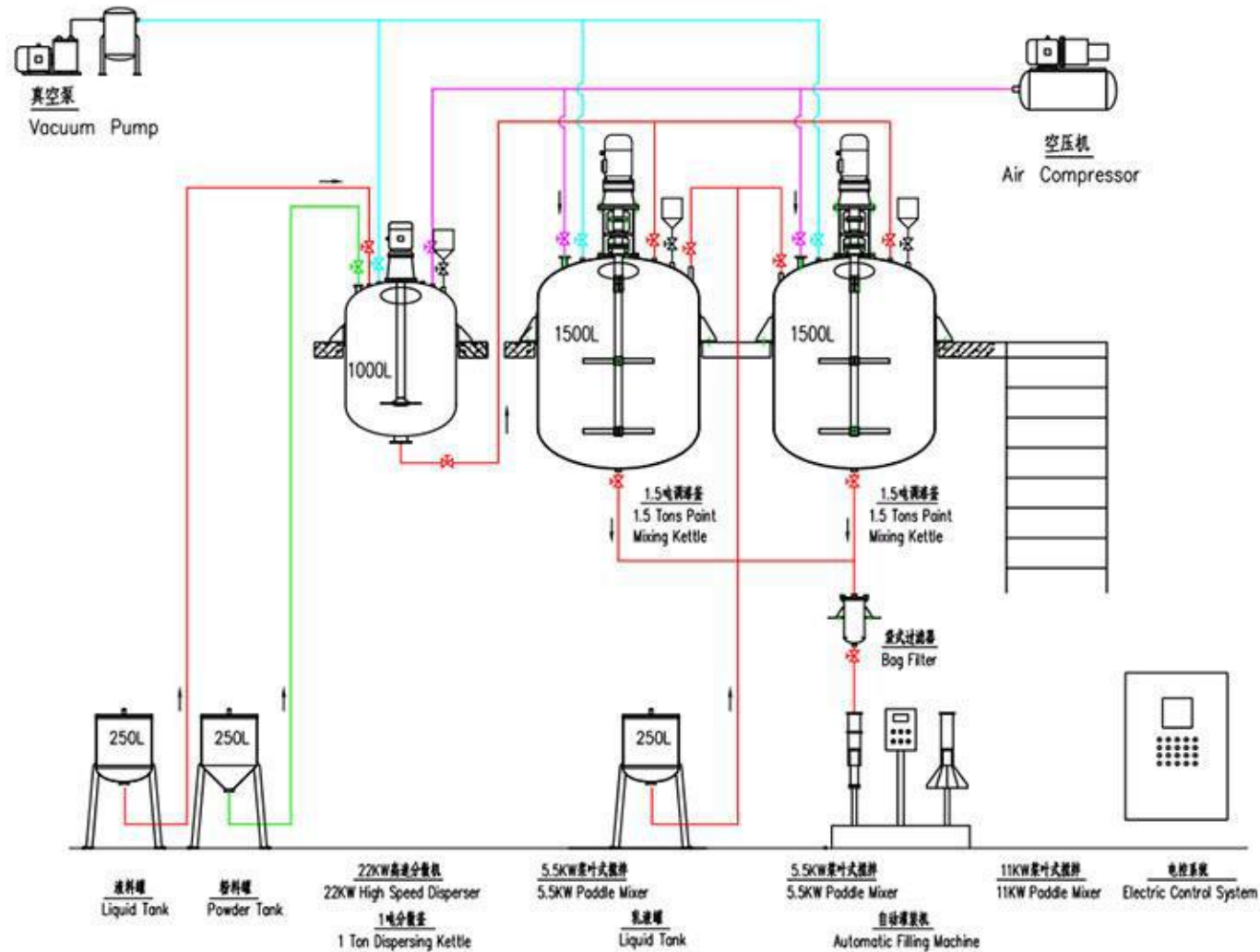
Titanium Dioxide Bead Mill



ELE bead mill is suitable for Titanium Dioxide grinding, ELE titanium Dioxide Bead mill will solve all the ticklish problems in your process, like material fineness, temperature, output, pure color and metal contaminations. 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. According to various processing technology, we have various different bead mills to meet your special demands for products and processes.

ELE bead mill adopt CNC machining production, and has got CE approval. The international advanced design of length to diameter ratio, high energy concentration realizes large flow ultrafine grinding, grinding energy will be used as efficiently as possible.

Production flow for Titanium Dioxide making machine



Production Photos

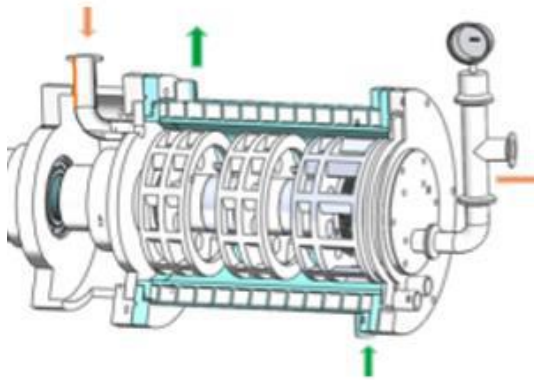


5000T paint plant

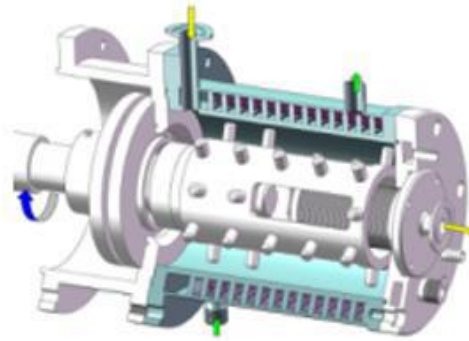


paint line in Slovenia

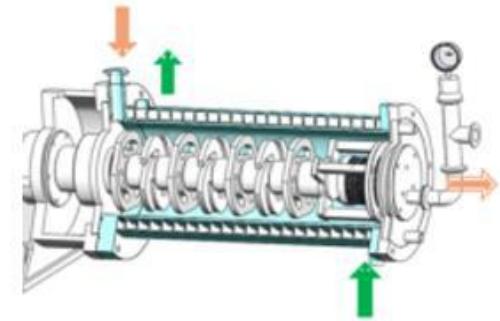
Three Types of Bead Mill



Turbo Type Bead Mill



Pin type Bead Mill



Disc type Bead Mill

Three Types of Contact material for option

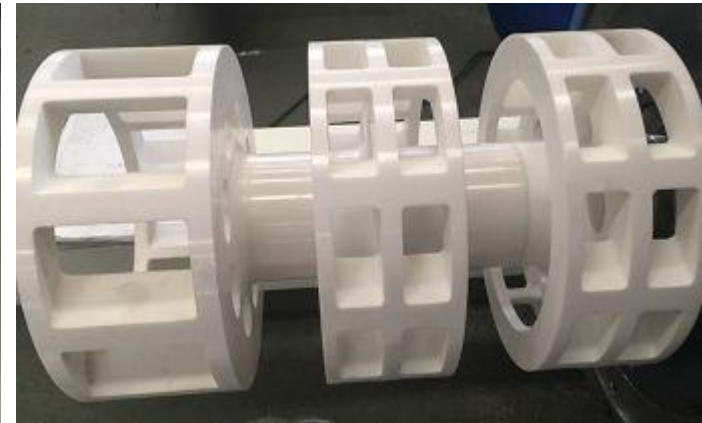
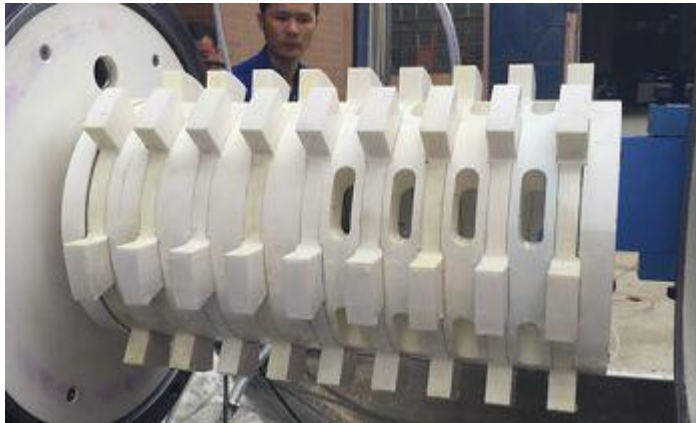
Harden Alloy Steel

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.
- 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;
- 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

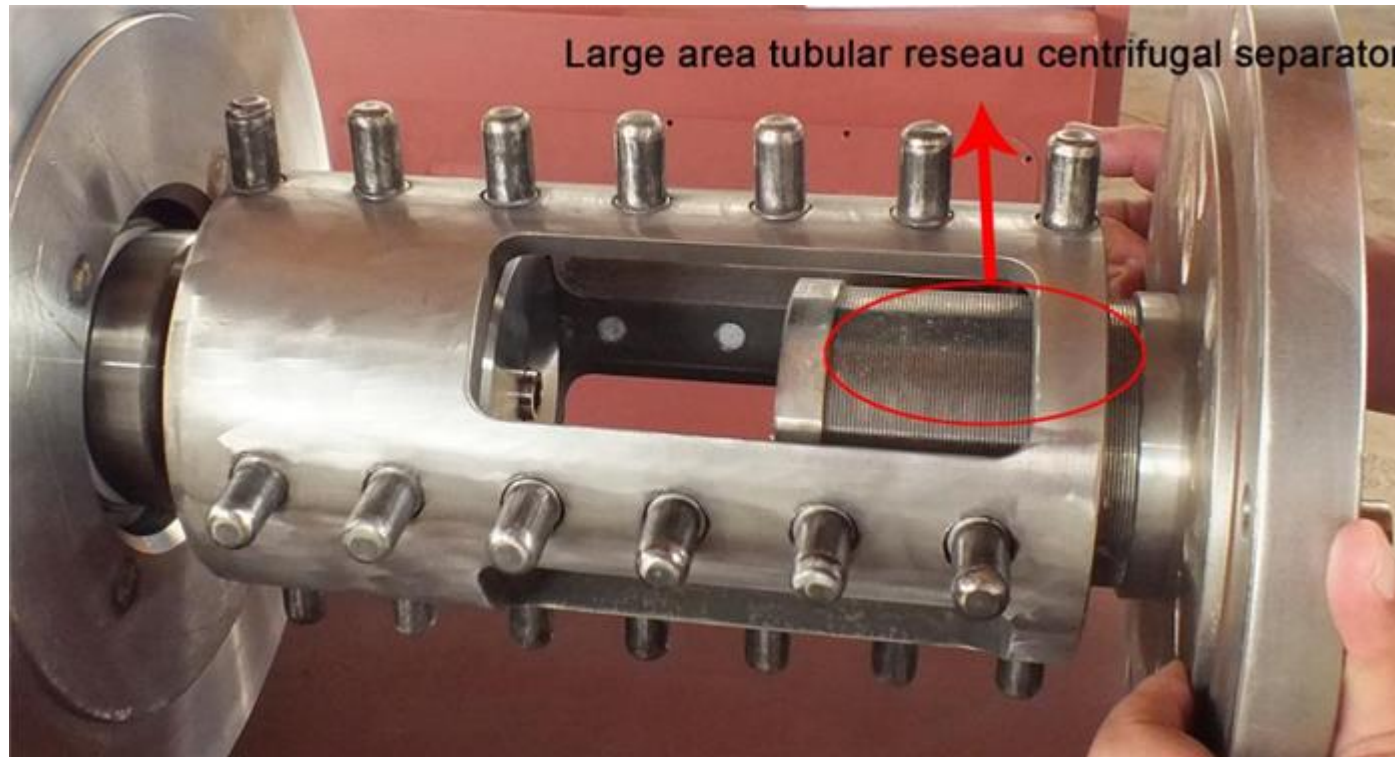
Advantages

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



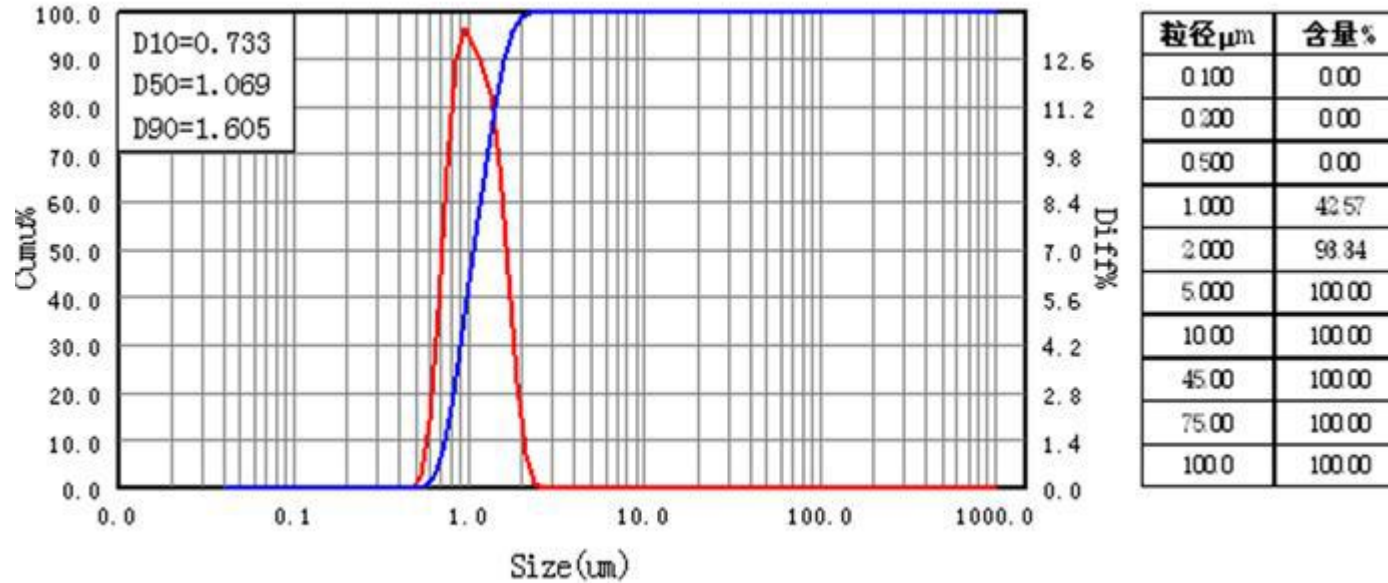
Special Mechanical Seal & Bearing Housing

- 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
- Feeding pipe with jacket for cooling
- End cover corrugated cooling
- Cooling Tank for Mechanical Seal

Testing Report for Titanium Dioxide



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