DISPERSERS & BEAD MILLS

Tel：+86-21-55380043

Email：sale@elemix.cn

Web：www.ele-mix.com

Paint Bead Mill

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Address: No.11, Songfu Road, Qingpu Industrial Area, Qingpu District, Shanghai, China （Near Hongqiao Airport)

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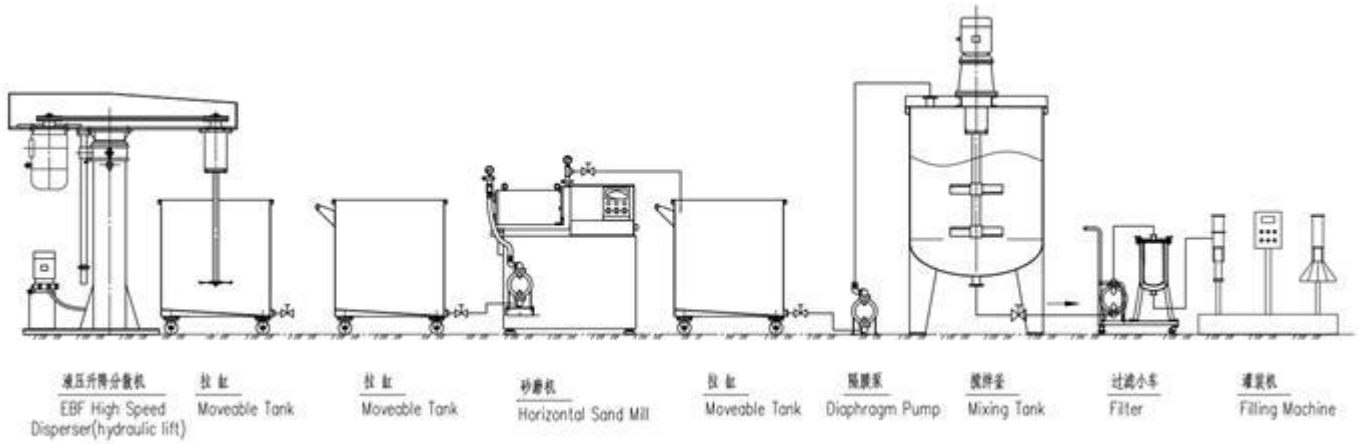
ELE bead mill adopt CNC machining production, and has got CE approval. The international advanced design of length to diameter ratio, high energy concentration realize large flow ultrafine grinding, grinding energy will be used as efficiently as possible

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 bead mill. Our engineers own rich experiences for a variety of materials.

Production flow for Paint making machine



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Horizontal Bead Mill

Paint Bead Mill Machine

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Specification

● Special Pin type contracture will pass higher power to the grinding beads,

● 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.

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Bead Mill for Paint

Bead Mill Machine for Paint

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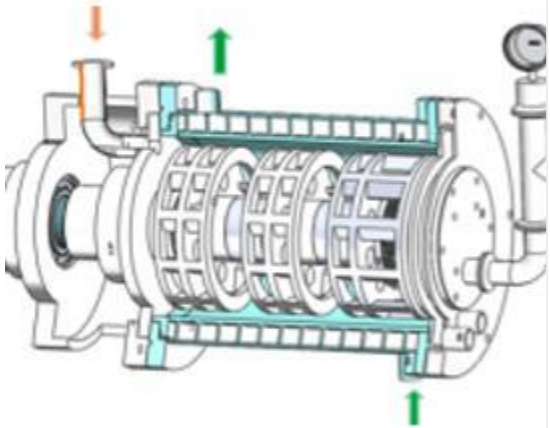
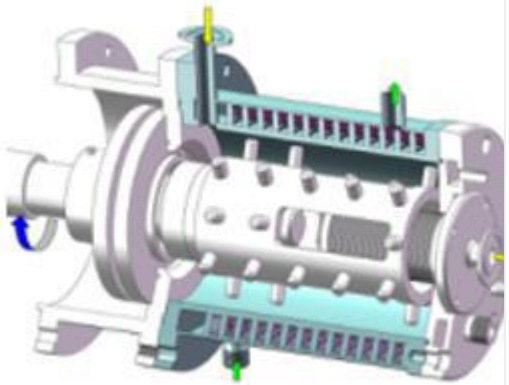
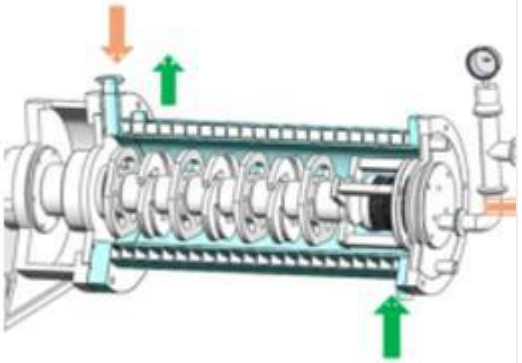
Three Types of Bead Mill



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

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

PU polyurethane: No Metal contamination

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Machine details

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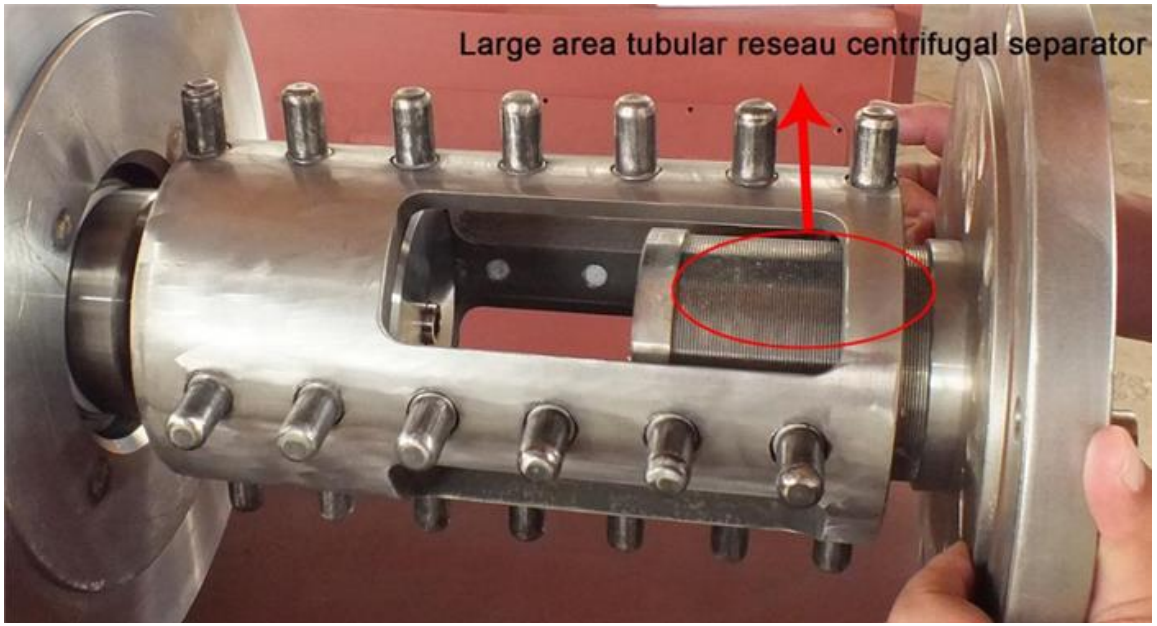
Advantages

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



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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

Application

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;

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Data Sheet & Models

型号 Model	研磨腔体积 Chamber Volume(L)	主机功率 Power(kw)	流量 Flow（L/H）	外形尺寸 Dimension(mm)	整机重量 Weight(kgs)
EBW-5	5	7.5	50-200	1200×900×1550	400
EBW-20	20	22	100-300	1850×1050×1750	900
EBW-30	30	30	200-500	2100×1100×1900	1200
EBW-50	50	45	300-800	2300×1350×1700	1800
EBW-100	100	55	500-1500	2500×1400×1800	2500
EBW-200	200	90	1000-2500	4500×1550×1900	3500
EBW-300	300	132	2000-4000	4500×1600×2300	7600
EBW-500	500	160	3000-8000	4500×1600×2500	8200
EBW-1000	1000	350	4000-15000	5500×1800×3200	12500

Maintenance & Services

1.Before order, customer can take materials to ourvlab and make test grindings, spot-testing parameters like particle size distribution,

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obtain reliable data for model selection;

2.We provide you opeatian manual by chinese or English;

3.Within 12-months warranty period, we promise to change damaged parts free of charge by air or by sea;

4.After the warranty period, we provide maintenance and maintenance service, only charge the cost;

5.Meanwhile, our skillful grinding experts can offer you free professional technical consulting and service.

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