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# 高效研磨机系列

BEAD MILL / SAND MILL  
BASKET MILL

上海易勒机电设备有限公司

SHANGHAI ELE MECHANICAL & ELECTRICAL EQUIPMENT CO.,LTD.

上海易勒易智能设备有限公司

Shanghai ELE & E Smart Equipment Co.,Ltd.

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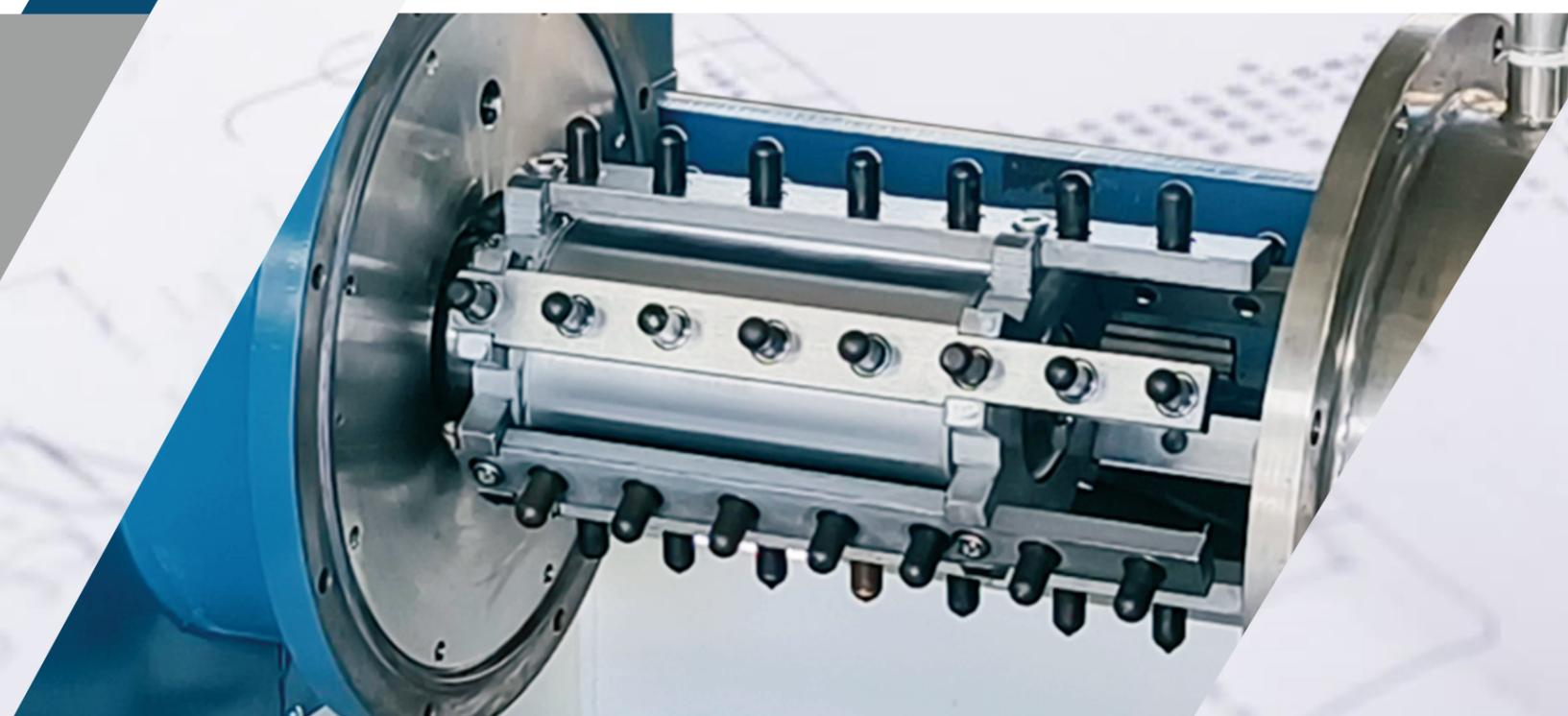
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# ABOUT ELE

**发展至今已有28年**  
28-Year Developing Record



### CNC精加工

易勒砂磨机采用CNC精加工制作，并通过CE认证。国际先进的长径比设计，能量集中实现大流量超细化研磨，让研磨能量最大有效利用。

### CNC Finishing Production

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

### CNC精加工制作 CNC Finishing Production



### 专利与技术

易勒不断创新和改进技术，迄今为止获得二十多项发明专利，并且获得高新技术企业称号。其中易勒砂磨机配置专利型集装式双端面机械密封（发明专利号：201610459850.7），最大可耐8-10KGS压力，专为砂磨机的工况而设计，专为带细颗粒物料而设计，整体件，使用安装方便，无需专业人员即可自行更换。先进的出料方式，采用独特的大面积管状栅网离心分离器，精密设计，出料顺畅。易勒砂磨机解决您工艺中的细度、温度、产量、颜色及金属污染等问题。

### Patent and Technology

ELE has continuously improved and innovated technology, until now has obtained more than 20 patents, and has been awarded the title of high-tech enterprise. Besides, ELE bead mill adopt double cartridge mechanical seal with patent No.:201610459850.7, maximum 8-10KGS pressure resistance, specially designed for grinding materials with small particles. Overall unit, convenient to use and install, no need professionals to change. Advanced discharging method, using unique large area of tubular reseau centrifugal separator, precise separation & smooth discharging.

**1996** 开发市场  
Marketing  
Exploitation

**2006** 投资建厂  
Building  
Factory

**2024** 高速发展  
Developing  
Rapidly

### CE认证 CE Certification



### 品牌战略

易勒品牌自始至终引领着分散与研磨技术。终端产品的高品质依赖于易勒对每一个零部件的精细加工与耐磨性处理。易勒针对各种工艺拥有多种不同的研磨机以满足您对产品和工艺的特殊需求。

### Brand strategy

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 and basket mills to meet your special demands for products and processes.

### 品牌现况

众多知名油墨、色浆、油漆、纳米材料、农药等厂家选择易勒砂磨机是因为技术成熟可靠先进，用着放心。易勒的工艺工程师对各种物性有着丰富的经验，这也是易勒在砂磨机领域27年专研所获得的成就，同时也是用户可靠的宝贵资源。

### Brand status

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. It is also our great achievement in the field of bead mill with 27 years special researches, meanwhile reliable & valuable resources for users.

### ISO9001



## 应用领域 Application Fields

**涂料:** 水性涂料, 油性涂料, 装饰涂料, 乳胶漆;  
**油漆:** 汽车漆, 面漆, 木器漆, 工业漆;  
**油墨:** 凹版油墨, 柔版油墨, 胶印, 丝网, UV 油墨, 数码喷绘油墨;  
**颜料:** 染料, 彩绘, 笔液, 水彩;  
**电子材料:** 电池隔膜氧化铝, 磷酸铁锂, 陶瓷浆料, 阻燃剂;  
**食品行业:** 巧克力浆, 酱类;  
**农药行业:** 农药悬浮剂, 乳油, 水乳剂, 微乳剂;  
**日化用品:** 化妆品, 洗手液, 沐浴露, 洗衣液等;  
**生物医药:** 藻类细胞破碎, 微生物功能材料;  
**纳米材料:** 金属氧化物, 磁性材料, 造纸行业, 光电行业。

**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, Microbiological functional materials;  
**Nano Materials:** metal oxide, Magnetic Materials, Paper industry, Optoelectronic industry.



## 保修与服务 Maintenance & Services

1. 订货前, 可以带料来我们的实验室试研磨, 并现场测试粒度分布等参数, 获得可靠的数据用于选型;
2. 我们为你提供中英文操作手册;
3. 我们为贵司提供设备安装及维护中英文视频;
4. 机械配件三年的配件库存量, 保障您的使用, 让您无后顾之忧;
5. 设备出售后12个月内, 对于损坏部件免费提供, 我们将通过空运或者汽运的方式;
6. 交货后, 我们的专业工程师免费上门指导调试, 针对物料的不同特性, 来设置砂磨机的运行参数, 确保物料研磨品质与设备最佳的运行状态;
7. 保修期过后, 我们提供维护及保养服务, 只收取成本费用;
8. 同时我司研磨专家, 让您可享受免费专业技术咨询与服务。

1. Before order, customer can take materials to our lab and make test grindings, spot-testing parameters like particle size distribution, obtain reliable data for model selection;
2. We provide you operation manual by Chinese or English;
3. We offer you Videos for equipment installation and maintenance in both English and Chinese;
4. With three years of spare parts inventory to ensure normal use and make you to be in trouble free;
5. Within 12-months warranty period, we promise to change damaged parts free of charge by air or by sea;
6. 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;
7. 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.



# 专利与证书

## Patents & Certificates



# 专利与证书

## Patents & Certificates



CE

ISO9001



# ESW-750实验室卧式砂磨机

ESW-750 Lab Horizontal Bead Mill



型号 Model	研磨腔体积 Chamber Volume(ML)	主机功率 Power(kw)	转速 Speed(rpm)	流量 Flow (L/Batch)	外形尺寸 Dimension (mm)	整机重量 Weight(kgs)
ESW-750	200	3	0-5000	0.2-0.7	450×210×360	60

ELE-MILL RESEARCH LAB的成功研发标志着砂磨机系列的完善，该机可满足：

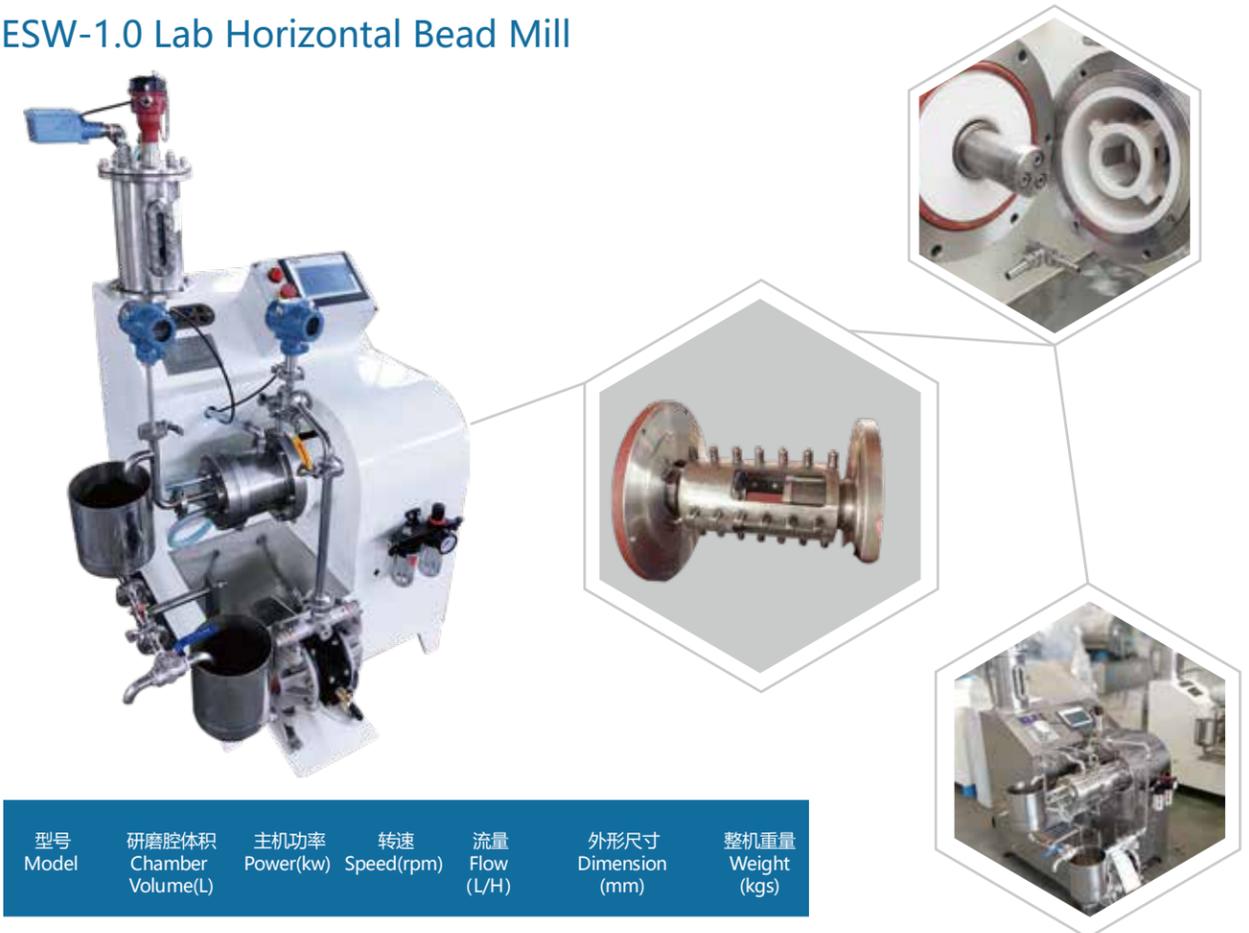
- ◆适用于循环式工艺。
- ◆该款设备非常便于操作，采用极小的研磨腔体，物料损失极小，专为高价值物料而设计。
- ◆机械密封设计结构紧密，冷却液循环确保机械密封的长久正常工作。
- ◆陶瓷材质设计确保产品的耐用性及免于金属污染。
- ◆精细分散与研磨适用于微米及纳米级的不同粘度产品。

The successful research and design of ELE-MILL RESEARCH LAB marks great improvement on ELE Bead mill. It enjoys several advantages as follows:

- ◆ Suitable for continuous or circulating processing.
- ◆ Easy to operate, using smaller grinding chamber, with minimum material loss, specially designed for high value materials.
- ◆ Mechanical seal with compact structure, Cooling liquid circulation pump ensure normal work of double mechanical seal for long time.
- ◆ Ceramic material ensures durability & avoiding metal contaminations.
- ◆ Ultrafine dispersing & grinding materials with different viscosity from micron to nano.

# ESW-1.0实验室卧式砂磨机

ESW-1.0 Lab Horizontal Bead Mill



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)
ESW-0.5	0.5	4	0-3000	0.5-15	1100×800×1300	200
ESW-1.0	1.0	5.5	0-3000	2-30	1200×900×1400	260

本机为实验室小样用研磨细化设备，是新品研发与小样制作的理想机型：

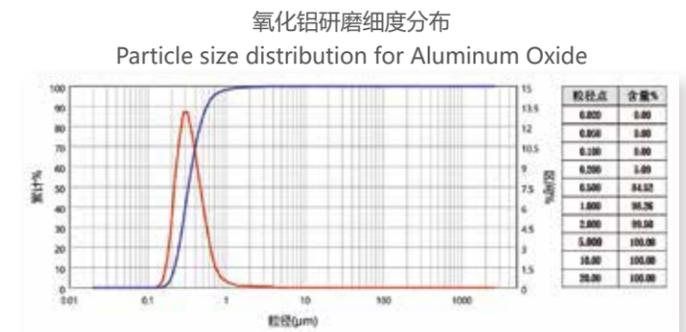
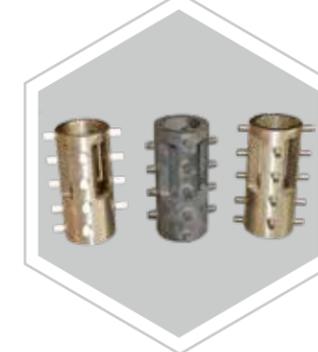
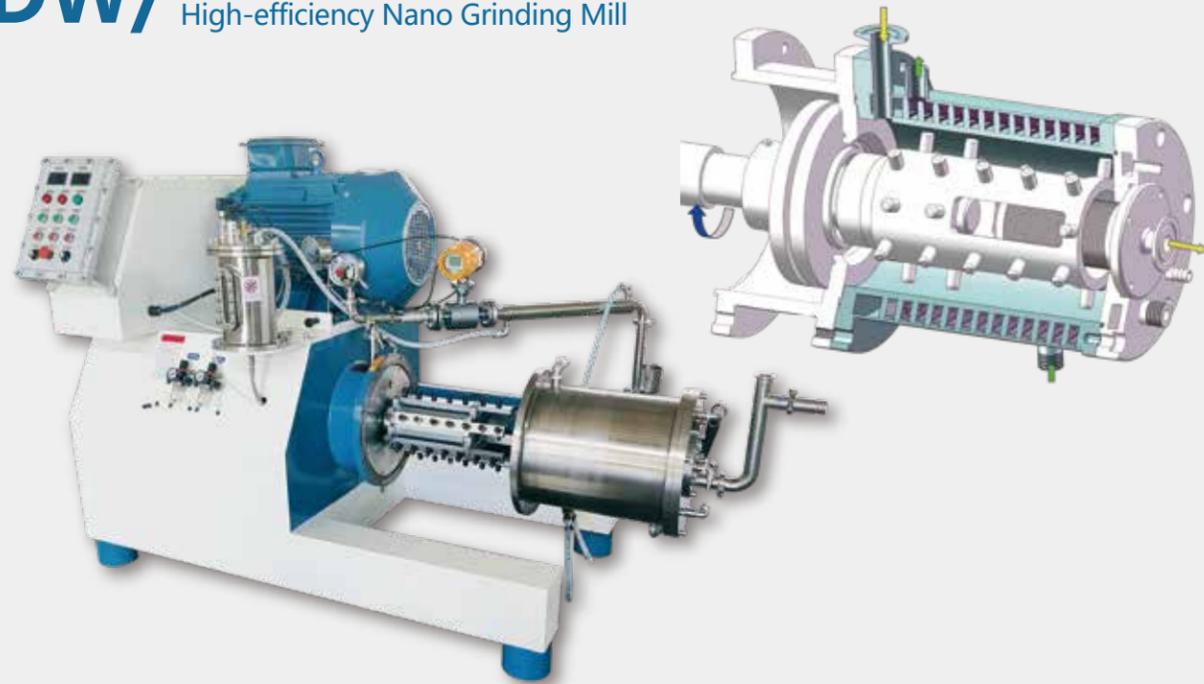
- ◆ 实验室小样精磨专用机，研磨腔体小，能量集中，研磨效能高且有利减少物料的损失。
- ◆ 能量优化利用，结构紧凑，易操作。
- ◆ 理想的循环、通道式工艺结构，易清洗。
- ◆ 独特的研磨结构，可使研磨介质在研磨腔内分布更加合理。

The small bead mill is lab sample grinding machine, it is the ideal machine for developing new product & sample production:

- ◆ Lab samples fine grinding machine, with smaller grinding chamber, energy concentration, high grinding efficiency and beneficial to reduce the loss of material.
- ◆ Optimize energy utilization, compact structure, easy to operate.
- ◆ Ideal circulation-channel type process structure, easy to clean.
- ◆ Unique grinding structure, grinding medium distribute more reasonably in the chamber.

# EDW系列 / 棒销式卧式砂磨机 高效纳米研磨机

## EDW / Pin-type Horizontal Bead Mill High-efficiency Nano Grinding Mill



ELE-EDW MILL 棒销式砂磨机适合大型工业化连续式生产，其优势在于：

- ◆ 独特的棒销转子结构，交错排布，能量集中，无研磨死角。
- ◆ 适用于不同粘度、固含量、细化等要求的物料连续或循环式工艺操作。
- ◆ EDW系列采用独特的大面积管状栅网离心分离器，精密分离，出料顺畅，解决了出料速度慢，及卡研磨介质的现象。并可采用超细磨珠，最小可采用0.05mm出料网。
- ◆ 特种材质的选用（氧化锆/碳化硅/硬质合金钢/聚氨酯等）使所有加工制造的接触部件耐磨率增强，采用内螺纹式冷却方式，有效提高研磨腔内部热量的及时散失。
- ◆ 易勒专利型集装式双端面机械密封（发明专利号：201610459850.7），确保机械密封的长久运转，可承受8-10公斤的压力。

Suitable for large industrial continuous production, and its advantages are as the following:

- ◆ Unique pin rotor structure, staggered arrangement, energy concentration, no grinding dead angle.
- ◆ Suitable for products with high viscosity, high solid content & high refining requirements, for continuous or circulating process operations.
- ◆ EDW 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.
- ◆ Selection of special material (zirconia / silicon carbide / hard alloy steel / Pu etc.) enhance wearability of all processing contact parts. It adopts internal thread type cooling way, effectively improves heat dissipation the grinding chamber.
- ◆ Unique ELE patent double cartridge mechanical seal (patent No.:201610459850.7), to ensure long operation of shaft seal, maximum 8 -10 kg pressure resistance.

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

# 大流量卧式砂磨机

Large-flow Horizontal Bead Mill



国际先进设计，人性化的操作体验，诠释着砂磨机的技术突破。超大流量砂磨机针对超大规模产能要求而设计，易勒公司在钛白粉、碳酸钙、高岭土、滑石粉和造纸行业等均已投入使用。

成功投产机型有100L、200L、400L、500L、1000L。

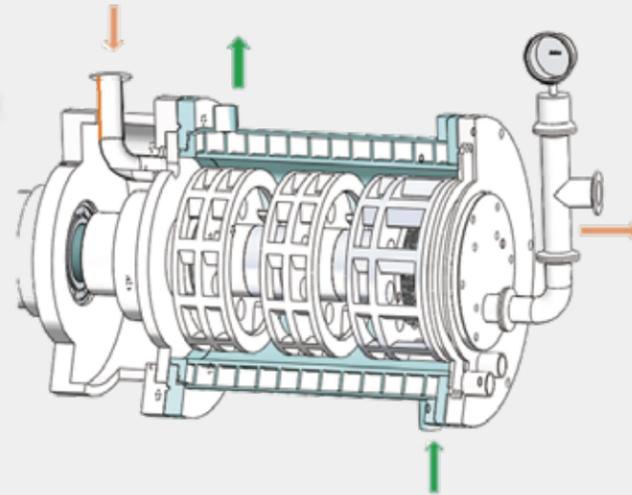
With Perfect Advanced modelling and humanized operation experience, it marks big technique breakthrough of bead mill. This model is designed for mass continuous production, It has been used in titanium dioxide, calcium carbonate, kaolin, talc and paper industry etc.

The successful models are using in 100L, 200L,400L,500L and 1000L.



# ENW系列涡轮式超细化纳米砂磨机

Super Turbo Type Ultra-fine Nano Bead Mill



ENW系列涡轮砂磨机适用于高效超细化工业生产用，其优势在于：

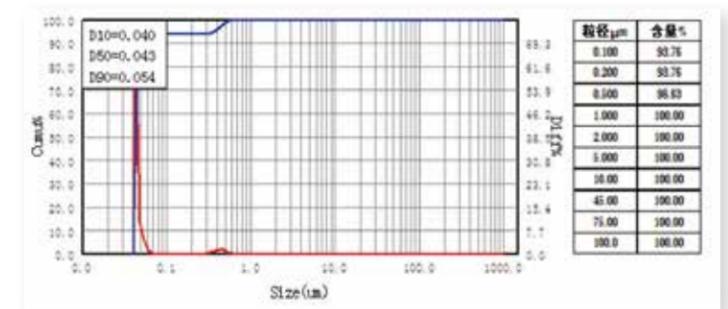
- ◆ 本机型为国际尖端的湿法研磨机，其加速轮的优化设计给予研磨腔内磨珠更大的动能，同时磨珠分布更均匀，细度分布更窄。
- ◆ 本机型的高效与超细化性能，是目前包装油墨、色浆、汽车面漆、纳米材料、电子材料等用户的理想机型。
- ◆ ELE-NET0.1出料网针对超细物料要求而设计，确保大流量的同时可采用微珠研磨。
- ◆ 特种材质的选用（氧化锆/碳化硅/硬质合金钢/聚氨酯等）使所有加工制造的接触部件耐磨率增强，采用内螺纹式冷却方式，有效提高研磨腔内部热量的及时散失。
- ◆ 易勒专利型集装式双端面机械密封（发明专利号：201610459850.7），确保机械密封的长久运转，可承受8-10公斤的压力。

ENW Series Turbo type bead mill is suitable for High efficiency Ultra-Fine Industrial Continuous production. Its advantages are as following:

- ◆ ENW series are the international top wet grinding machine, the optimization design of its accelerated wheels will pass more powerful energy to the grinding medium in chamber. Meanwhile grinding medium distribute more uniform and with more narrow fineness distribution.
- ◆ Owing to its high efficiency and ultrafine performance, it is the ideal mode for users in packaging printing ink, color paste, car paint, nano materials, electronic materials, etc.
- ◆ ELE-NET0.1 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 /Pu etc.) enhances wearability of all processing contact parts,It adopts internal thread type cooling way, effectively improves heat dissipation the grinding chamber.
- ◆ Unique ELE patent double cartridge mechanical seal (patent No.:201610459850.7), to ensure long operation of shaft seal ,maximum 8 -10 kg pressure resistance.



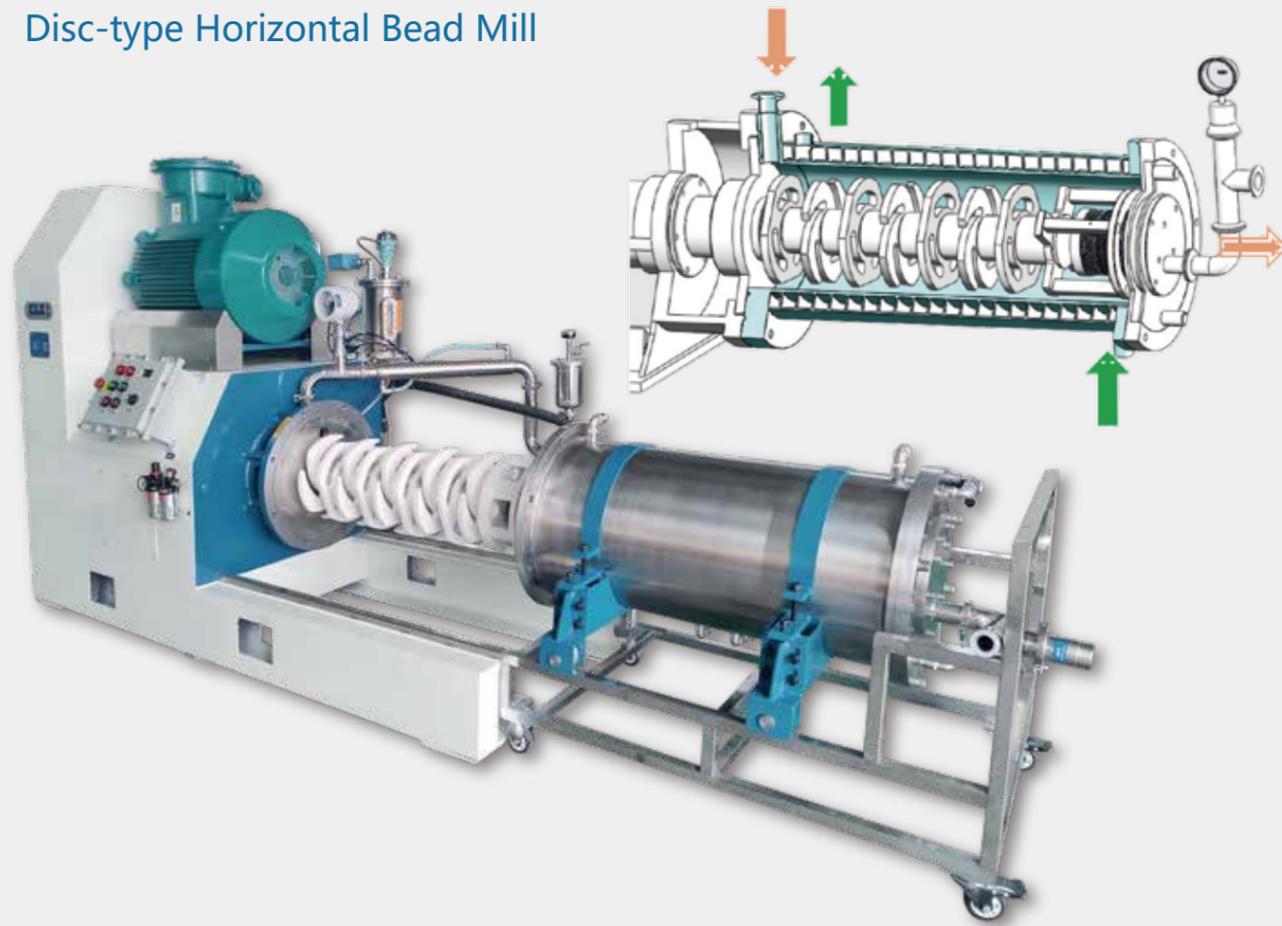
二氧化硅研磨细度分布  
Particle size distribution for SiO<sub>2</sub>



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)
ENW-1.0	1	5.5	0-3000	2-30	1200×900×1400	260
ENW-5	5	15	0-1500	30-200	1100×850×1600	400
ENW-10	10	22	0-1200	50-300	1400×1100×1750	700
ENW-15	15	37	0-1200	100-500	1550×1100×1800	1300
ENW-30	30	55	0-1000	200-1000	1850×1300×1700	2200
ENW-50	50	75	0-860	500-2000	2200×1500×1800	2800
ENW-100	100	110	0-750	>1500	3150×1500×2000	5500

# EBW系列圆盘式卧式砂磨机

Disc-type Horizontal Bead Mill

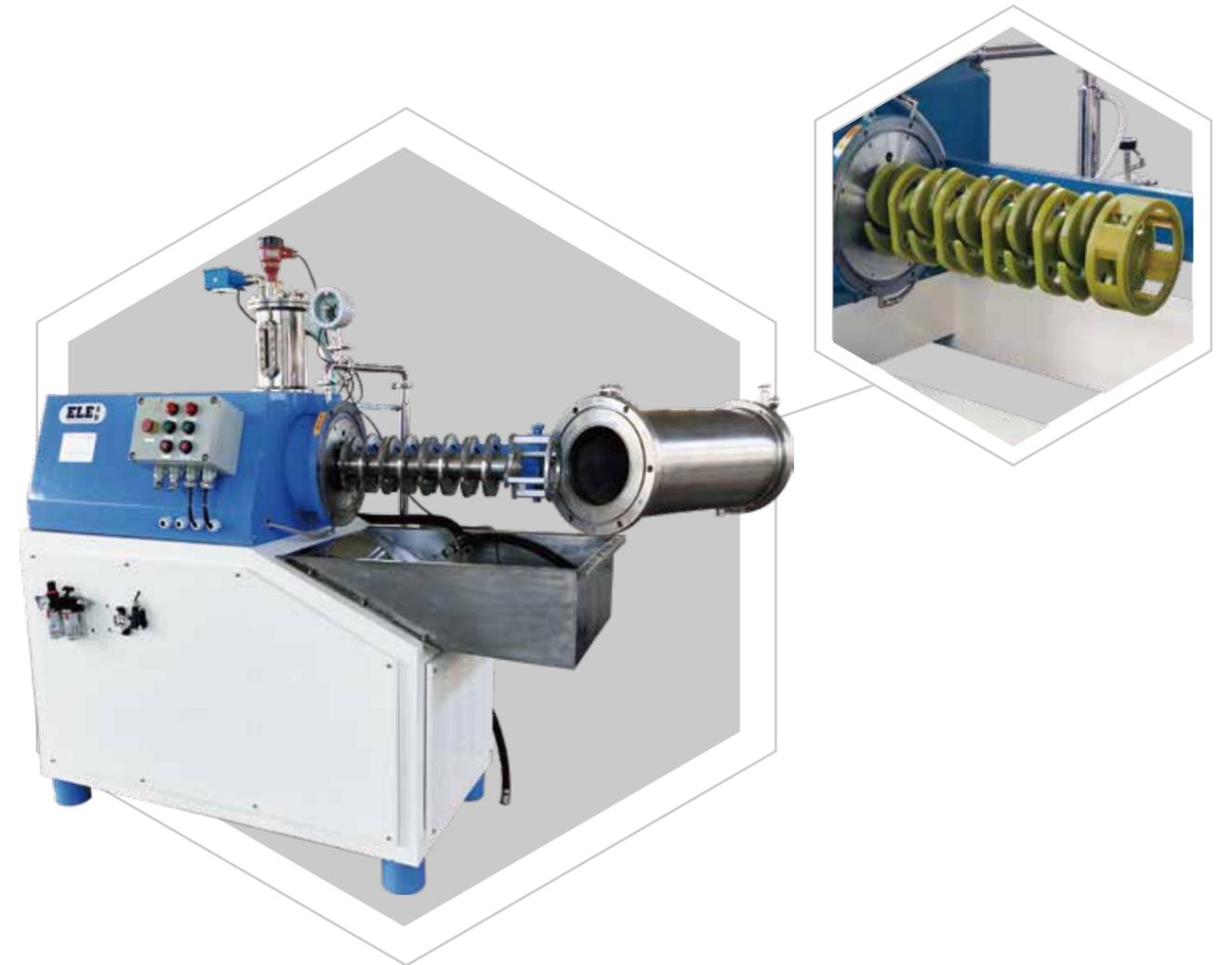


ELE-EBW MILL 圆盘砂磨机经受市场长期的检验, 该机可满足:

- ◆ 满足大批量连续式生产需求。
- ◆ 本机采用特殊耐磨材质, 使用寿命长, 对物料的粘度适应性强。
- ◆ 容易启动、能耗比率低、研磨效率高。
- ◆ 可选用防爆控制器元件, 满足可靠的防爆要求。
- ◆ 先进的电气控制系统及故障报警装置。
- ◆ 针对不同的物料工艺生产需求, 多种送料泵可选配 (如:气动隔膜泵或齿轮泵等)。
- ◆ 易勒专利型集装式双端面机械密封 (发明专利号: 201610459850.7), 确保机械密封的长久运转, 可承受8-10公斤的压力。

Disc-type horizontal bead mill stand long test of market., It can meet following production needs:

- ◆ For mass continuous production.
- ◆ It adopts specially wear-resisting materials, prolonging service life, And well adopted to different viscosity of materials.
- ◆ Easy to start, with low energy consumption rate and high grinding efficiency.
- ◆ Explosion-proof control components can be optional to meet reliable EX requirements.
- ◆ Advanced electric control system and fault alarm system.
- ◆ It can be equipped with different kinds of pump to match different materials (such as pneumatic diaphragm or gear pump).
- ◆ Unique ELE patent double cartridge mechanical seal (patent No.:201610459850.7), ensures long operation of shaft seal, maximum 8 -10 kg pressure resistance.



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

# EBM系列新型篮式研磨机

## EBM-series New Generation Basket Mill

### 产品简介

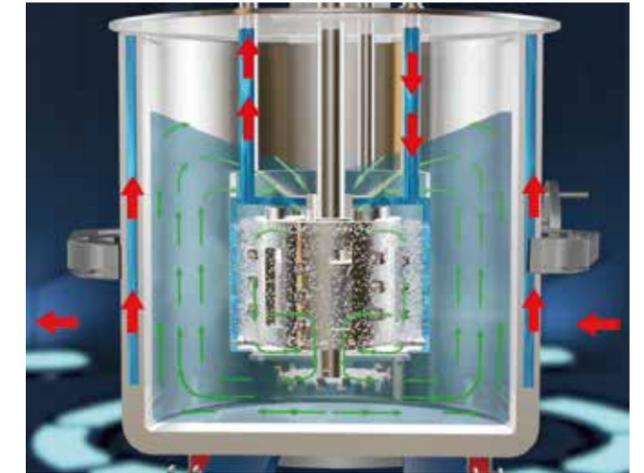
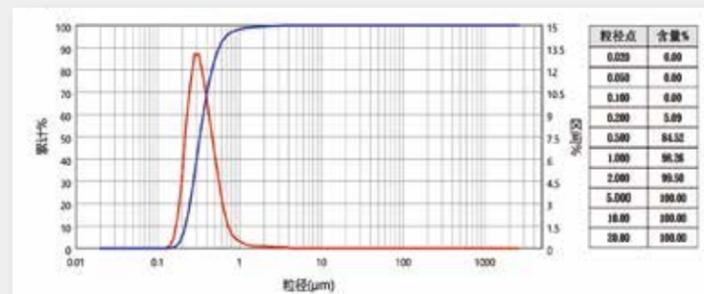
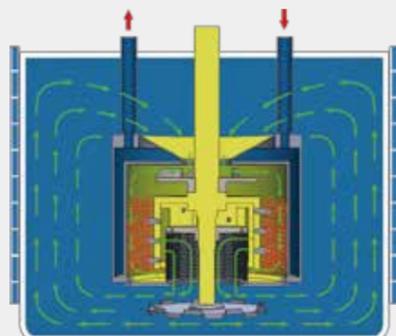
新型篮式研磨机是一种集分散与研磨于一体的湿法研磨机，广泛应用于涂料、油墨、色浆、染料等行业，可以实现超细化研磨。独特的自吸叶轮设计，进料更流畅，不反珠、不卡珠、不碎珠，特殊的筛网制作可选用更小的研磨珠，物料细度更细更均匀。

### Product Introduction

The EBM Series basket mill is a wet grinding machine which integrates dispersing and grinding together, widely used in coatings, inks, coatings, inks, colorants, pigments, dyes, pesticides and other industries. It can achieve ultra-fine grinding. Unique self-absorbing impeller design, smoothly feeding, non-beads reflux no blocking beads, no breaking beads. Special smaller sieve design, which can adopt smaller grinding beads, get finer particle size and particle size distribution is narrow.



碳黑研磨细度分布  
Particle size distribution for Carbon Black



### 产品特点:

- ◆ 高效率和高能量研磨设备。
- ◆ 特殊防回流装置，不漏珠子。
- ◆ 独特的唇密封设计，不卡珠。
- ◆ 独特的出料滤网设计，可使用超小珠子。细度分布更窄。
- ◆ 细度可达纳米级。
- ◆ 多重冷却效果，研磨篮体夹套冷却和拉缸冷却。

### Product Features:

- ◆ High performance and high energy.
- ◆ Special Anti-reflux device, no beads leaking.
- ◆ Unique lip sealing device, no bead stuck.
- ◆ Special smaller discharge sieve design, which can adopt smaller grinding beads, get finer particle size and particle size distribution is narrow.
- ◆ Fineness can reach nanometer level.
- ◆ Multiple cooling system, with cooling basket and cooling container.

型号 Model	研磨腔体积(L) Basket volume(L)	主机功率(KW) Power(kw)	转速(rpm) Speed(rpm)	处理量(L) Capacity(L)	介质尺寸(mm) Media(mm)	升降方式(mm) Lifting Method(mm)
EBM-0.75	0.3	0.75	2885	2.5~5	0.4~2.6	电动Electrical
EBM-1.1/2.2	0.3/0.8	1.1/2.2	2885/2890	2.5~8/15~40	0.4~2.6	电动Electrical
EBM-4	2.1	4	2890	50~100	0.4~2.6	液压/电动 Hydraulic/Electrical
EBM-7.5	4.2	7.5	2950	100~200	0.4~2.6	液压Hydraulic
EBM-11	10	11	1480	200~300	0.4~2.6	液压Hydraulic
EBM-15	10	15	1480	250~350	0.4~2.6	液压Hydraulic
EBM-18.5	16	18.5	1480	350~500	0.4~2.6	液压Hydraulic
EBM-22	16	22	1480	400~600	0.4~2.6	液压Hydraulic
EBM-30	23	30	1480	500~800	0.4~2.6	液压Hydraulic
EBM-37	30	37	1480	600~1000	0.4~2.6	液压Hydraulic
EBM-45	40	45	1480	800~1100	0.4~2.6	液压Hydraulic
EBM-55	56	55	990	1000~1400	0.4~2.6	液压Hydraulic
EBM-75	75	75	800	1500~2000	0.4~2.6	液压Hydraulic

## 真空篮式研磨机

Vacuum Basket Mill



真空型篮式研磨机适用于高标准工业生产用，其优势在于：

- ◆ 密封型生产，有效阻止溶剂挥发。
- ◆ 配备真空装置，可用于除泡或有真空要求的生产。
- ◆ 独特的自吸式结构，进料流畅，不卡珠不返珠。
- ◆ 特殊防回流装置，不漏珠子。
- ◆ 易勒独特出料设计，可以使用小珠子，实现纳米级研磨。
- ◆ 配置冷却循环系统，实时温度监测装置，准确把控研磨温度。

Vacuum type basket mill is suitable for high standard industrial production with below advantages:

- ◆ Sealed production, effectively prevent solvent volatilization.
- ◆ With vacuum system, suitable for defoaming or production with vacuum requirements.
- ◆ Unique self-absorbing structure, smooth feed, no beads stuck.
- ◆ Special Anti-reflux device, no beads leaking.
- ◆ ELE unique discharge design, can use small beads, to achieve nano particle size.
- ◆ Equipped with cooling circulation system, real-time temperature monitoring device, accurate control of grinding temperature.

## 高粘度刮壁型篮式研磨机

Scrapor type Basket Mill for High Viscosity Product



刮壁式篮磨机适合高粘度批量化精细生产，其优势在于：

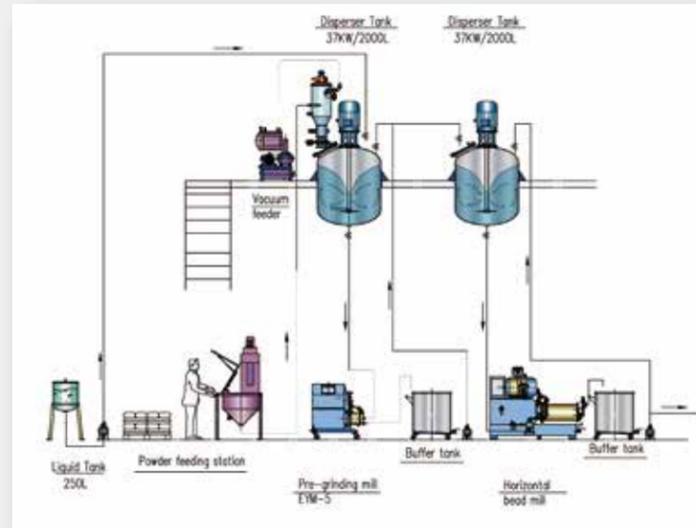
- ◆ 配置刮壁搅拌，与研磨篮内强力自吸叶轮配合，增强物料流动性，搅拌无死角，研磨效率高。
- ◆ 双层篮体，配置冷却循环系统，有效及时散发热量，降低物料温度。
- ◆ 采用实时温度监测装置，准确把控生产工艺过程中的温度控制。
- ◆ 易勒独特出料设计，可以使用小珠子，实现纳米级研磨。

Scrapor type basket mill is suitable for high viscosity mass fine production, with below advantages:

- ◆ Equipped with scraper mixing frame, and grinding basket with strong self-absorbing impeller, help material flow, no mixing dead corner, high grinding efficiency.
- ◆ Basket chamber has double layers, with cooling circulation system, timely dissipate heat, effectively reduce temperature.
- ◆ Adopt real-time temperature monitoring device to accurately control the temperature in the production process.
- ◆ ELE unique discharge design, can use small beads, to achieve nano particle size.

# 高效大流量预磨机

## High Efficiency Large Capacity Pre-grinding Machine



### 预研磨解决方案:

- ◆ 特种高耐磨材料，使用寿命长。
- ◆ 独特易勒专利集装式大法兰双端面机械密封（发明专利号：201610459850.7），无泄露，机器长久可持续化运行。
- ◆ 适用于连续高效率大流量预研磨，适用物料粒径范围广。
- ◆ 无滤网动态缝隙分离技术防止堵料，保证大流量出料顺畅。
- ◆ 齿轮泵进料，适用于多种应用。

### Solution for Pre Grinding:

- ◆ Special wear-resisting material, prolong service life.
- ◆ Adopts special material with large flange double cartridge mechanical seal (patent No.:201610459850.7), no leakage, guarantee the machine works for long and continuous time.
- ◆ Suitable for continuous high efficiency and large capacity pre grinding process, large input particle size scale.
- ◆ Dynamic gap separator without sieve, ensure the smooth throughput, no blocking.
- ◆ Feeding by gear pump, suitable for different applications.

型号 Model	介质尺寸(mm) Media Size(mm)	主机功率 Power(kw)	流量 Flow (L/H)
EYW-5	≥2.4	22	500-4000
EYW-10	≥2.4	45	2000-8000
EYW-30	≥2.4	75	5000-10000

# 氧化锆珠

## Zirconia Beads

### 产品简介

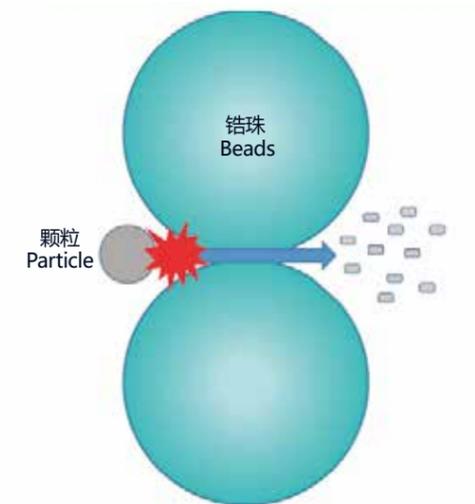
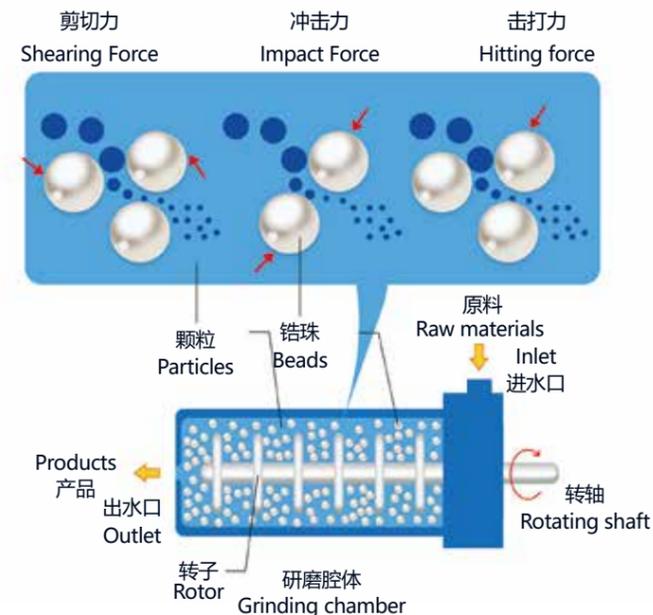
纯氧化锆珠是进口类研磨介质中的精品。它不同于硅酸锆珠，多年来长期在实际应用中，以其自身的品质优势，得到用户的青睐。专业用于油墨、色浆、染料、涂料、油漆、电子材料、纳米材料等精磨行业。研磨细度佳，效率高，磨耗量小，对物料无污染。用于篮式研磨机、卧式砂磨机、珠磨机、特别是线速度高的研磨设备。



### Product Introduction

Pure zirconia beads is the competitive of the product imported grinding media. It is different from zirconium silicate beads. It has been used in practical applications for many years and has been favored by users for its own quality advantages.

It is professionally used in fine grinding industries such as ink, color paste, dye, coating, paint, electronic material, nano-meter material, etc. Good grinding fineness, high efficiency, small wear, no pollution to materials. Grinding beads for basket mills, horizontal bead mills, ball mills, and especially pin-type bead mill with extremely high line speeds.



品名 Model	真比重g/cm³ True density (g/cm³)	堆积密度g/cm³ Bulk density (g/cm³)	锆含量% Zirconium (%)	常用规格 Common Specification (mm)
纯氧化锆珠 pure zirconia beads	6.0	3.6-3.7	> 95	0.2-0.4, 0.6-0.8, 0.8-1.0, 1.0-1.2, 1.4-1.6, 1.6-1.8, 2.0-2.2, 2.2-2.4
压碎强度 Compressive strength	维氏硬度 Vickers hardness	自磨耗 Self consumption (ppm/h)	圆整度 roundness	颜色 Color
>2.0KN (Φ2mm)	>1200	<0.5	≥0.98 (Xmin/Xmax)	White

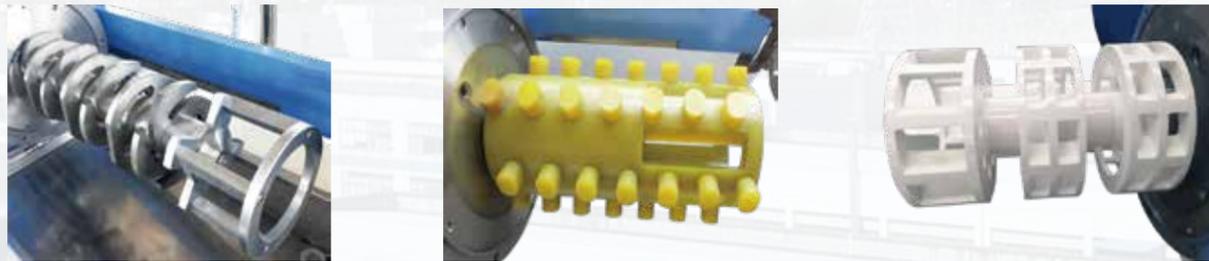
## 进料系统

Feeding System



## 研磨系统

Grinding System

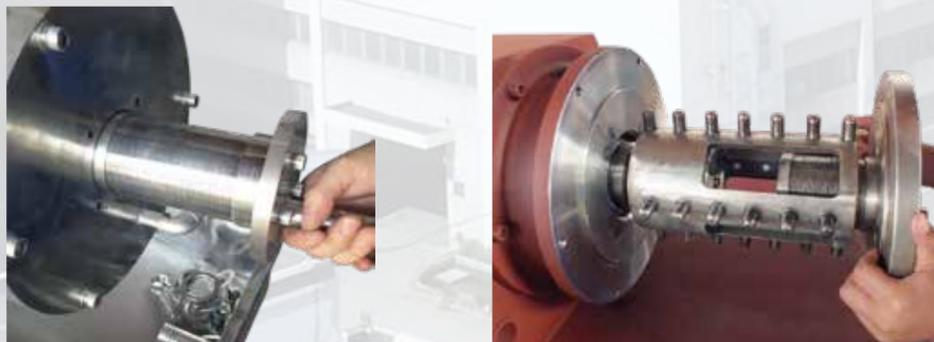


三种材质可选, 可适用于不同物料, 不同应用和不同粘度。

Three material for option, suitable for different products, different application, and different viscosity.

## 出料系统

Discharge System



独特的大面积管状栅网离心分离器, 紧密分离, 出料顺畅, 不卡珠, 出料速度快。

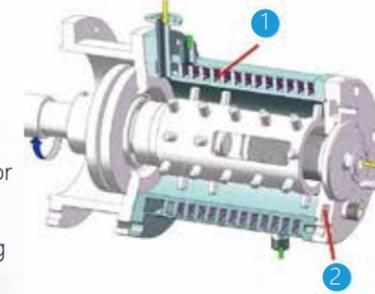
Unique large area tubular reseau centrifugal separator, precise separation & smooth discharging, no blocking. High speed discharge.

## 冷却系统

Multiple Cooling System

- ① 筒体采用波纹式双层带夹套冷却
- ② 出料端双层夹套冷却
- ③ 进料管路夹套冷却
- ④ 独立的机封冷却装置

- ① Grinding chamber with spiral jacket for cooling
- ② Discharge port with jacket for cooling
- ③ Feeding pipe with jacket for cooling
- ④ Independent Cooling system for Mechanical Seal



## 控制系统

Control System

控制盒系列  
Control panel series



电控柜系列  
Electrical cabinet series

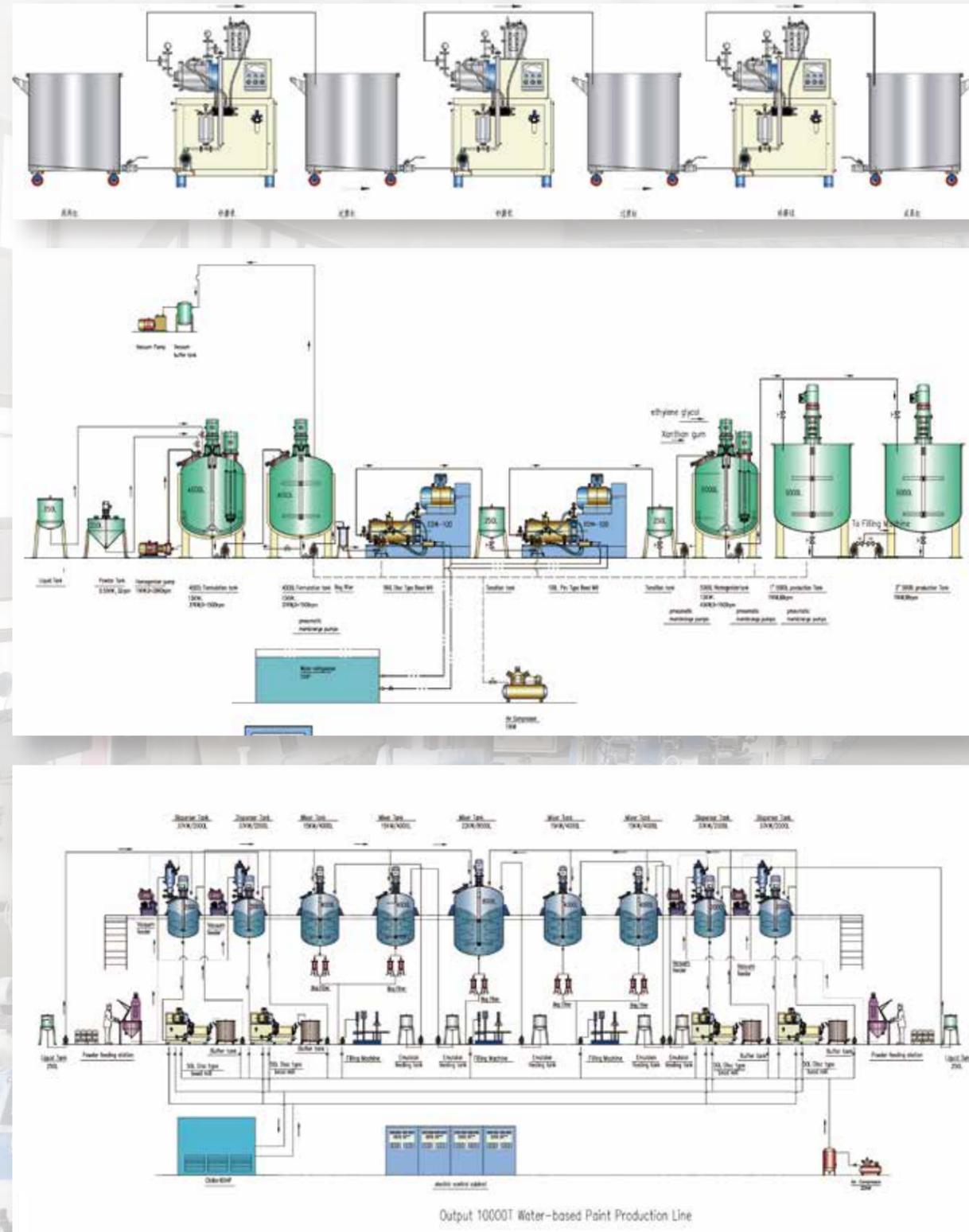


变频器系列  
Frequency inverter series



# 研磨设备应用配置

Grinding Equipment Application Configuration



# 专业的加工技术支持

Professional Processing Technical Support

- 工厂图片 / Factory Pictures
- 下料车间 / Cutting Workshop
- 工厂图片 / Factory Pictures
- 镗床 / Boring Machine
- 钻床 / Drilling Machine
- 铣床 / Milling Machine
- 焊接 / Welding
- 焊接 / Welding
- 精雕 / CNC Engraving
- 精雕 / CNC Engraving
- 粒度分析仪 / Particle Size Analyzer
- 车床 / Lathe
- 数控铣床 / CNC Milling Machine
- 钻床 / Drilling Machine
- 加工中心 / Machining Center
- 磨床 / Grinding Machine
- 线切割 / Wire-Electrode Cutting

# 工程项目回顾

Projects Photos

**油漆生产线——加纳**  
Paint Production Line in Ghana



**油墨生产线**  
Ink Production Line



**船舶漆生产线——天津**  
Marine Paint Production Line in TianJin



**农药生产线——山东**  
SC Production Line in Shandong



**农药生产线——乌兹别克斯坦**  
SC+EC Production Line in Uzbekistan



**涂料生产线——斯洛文尼亚**  
Coating Production Line in Slovenia



**油漆生产线——郑州**  
Paint Production Line in Zhengzhou



**磷酸铁锂生产线**  
Lithium Iron Phosphate Production Line



# 展会与用户回顾

Exhibition and User Review

