

# CHEMICAL EQUIPMENT

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QUALITY



GREAT  
DESIGN



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DURABILITY

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Bitler, Your whole solution design to meet customer's demand. Our product will be tested strictly at the same time to ensure it will create unexpected value for customer.

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# 01 BWE Horizontal Sand Mill

Wet process milling equipment which can produce continuously, its working principle is the power delivered from high-speed rotor to milling medium and liquid product, through mutual colliding and laminating.



	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BWE-5</b>	7.5	5	2-12	0.8-1	20-100	0.8-2.0	1080 X 760 X 1300
<b>BWE-20</b>	18.5	20	2-12	1-1.5	30-600	0.8-2.0	1450 X 885 X 1650
<b>BWE-30</b>	22	30	2-12	1-1.5	50-600	0.8-2.0	1620 X 930 X 1700
<b>BWE-50</b>	30	50	3-18	2-2.5	100-1000	0.8-2.0	1780 X 930 X 1780
<b>BWE-60</b>	37	60	3-18	2-2.5	100-1200	0.8-2.0	1900 X 1000 X 1850

## Characteristics

- ✔ Adopts double mechanical seal, lubricating liquid dissolves with product safety and reliability.
- ✔ Multiple material can be chosen for dispersing disc, catering to customer requirements for product color difference
- ✔ Body is convenient to be disassembled, easy to clean and for different color products.

## Application Area

Dispersing and milling in field of coating, paint, printing ink, agricultural chemical, etc.



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# 02 BSP High Flux Sand Mill

High Flux technology imported from germany static centrifugal discharging device for wet process milling equipment which can produce continuously.



	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BSP-30</b>	22	30	2-17	1.5-2	80-600	0.4-2.0	1620 X 930 X 1610
<b>BSP-50</b>	30	50	3-22	2-2.5	100-800	0.4-2.0	1780 X 930 X 1780
<b>BSP-60</b>	37	60	3-22	2-2.5	100-1000	0.4-2.0	2000 X 1030 X 1670
<b>BSP-100</b>	55	100	5-40	2.5-3	200-1500	0.4-2.0	2100 X 1170 X 1930
<b>BSP-200</b>	110	200	8-60	4-5.5	500-2500	0.4-2.0	2850 X 2380 X 1400

## Characteristics

- ✔ High Flux-Technology from germany: static centrifugal discharging devices, large discharge area with high output
- ✔ Double mechanical seal, lubricating liquid dissolves with material, safe and reliable
- ✔ Cooling efficiency is 2 times better than ordinary types.
- ✔ Germany mechanical Intelligent double seals technology.
- ✔ Grinding efficiency increased to more than 30% compared with regular models



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# 03 BZS Horizontal Sand Mill

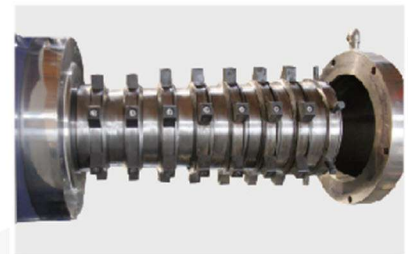
Wet process milling equipment which can produce continuously, its working principle is the power delivered from high-speed rotor to milling medium and liquid product, through mutual colliding and laminating.



	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BZS-5</b>	18.5	5	2-12	1-1.5	30-300	0.8-1.8	1400 X 850 X 1700
<b>BZS-25</b>	30	25	2-12	1.5-2	80-600	0.8-1.8	1510 X 930 X 1780

## Characteristics

- ✔ The energy-intensive design principle is fully applied, so that as soon as the material enters, it will receive high-density kinetic energy.
- ✔ Use of highly wear-resistant alloy cylinder, in order to achieve high quality product.
- ✔ Double mechanical seal, lubricating liquid dissolves with material, safe and reliable.
- ✔ Cylinder and axis dual cooling system, strong cooling effect.



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# 04 BTBS Horizontal Sand Mill

Wet process milling equipment which can produce continuously, it's working principle is the power delivered from high-speed rotor to milling medium and liquid product, through mutual colliding and laminating.



	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BTBS-2</b>	5.5	2	2-12	0.5-1	20-100	0.8-2.0	1300 X 1100 X 1000
<b>BTBS-20</b>	22	20	2-12	1.5-2	100-500	0.8-2.0	2100 X 1200 X 2000
<b>BTBS-30</b>	30	30	2-12	1.5-2	100-600	0.8-2.0	2200 X 1300 X 2100
<b>BTBS-50</b>	45	50	3-18	2-2.5	100-1000	0.8-2.0	2500 X 1400 X 2200

## Characteristics

- ✔ Stable structure, stable design, convenient operation
- ✔ More convenient cleaning, color changing and mill bead replacing
- ✔ No residue design solves better discharge and residual materials problems
- ✔ Carhride grinding rods, with rational distribution.
- ✔ Better lining of wear-resistant alloy, without pollution of materials
- ✔ Less grinding media wear, low running costs.



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# 05 BDS

## High Efficiency Super Fineness Sand Mill

The finest sand mill equipment for your high efficiency milling process. It adapt new design of pin-type grinding component for the high grinding efficiency.



	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BDS-5</b>	11	5	2-12	1.5-2	50-400	0.4-2.0	1280 X 830 X 1450
<b>BDS-10</b>	18.5	10	2-17	2-2.5	100-600	0.4-2.0	1280 X 830 X 1500
<b>BDS-20</b>	30	20	3-18	2-2.5	100-900	0.4-2.0	1450 X 935 X 1600
<b>BDS-30</b>	45	30	3-18	2-2.5	100-1200	0.4-2.0	1600 X 1100 X 1650
<b>BDS-60</b>	75	60	3-18	3-3.5	200-2000	0.4-2.0	2200 X 1600 X 2200

### Characteristics

- ✔ New design of pin-type grinding component
- ✔ Smaller length/diameter ration but higher energy density.
- ✔ Using high flux static centrifugal separation sieve, large discharging area, grinding medium no contact with the sieve, no barasion.
- ✔ Grinding barrel and grinding rotor adopt forced cooling system, with lower discharging temperature.
- ✔ Using top high quality wear-resisting alloy steel,

### Application Area

Digital printing ink, solvent ink, water-based ink, automobile paint, industrial coating, pigments, color paste, and nanometer materials.



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# 06 BD Super Sand Mill



The finest sand mill equipment for your high efficiency milling process. It adapt new design of pin-type grinding component for the high grinding efficiency.

	Motor Power (Kw)	Barrel Capacity (L)	Pump Flux L/min	Cooling Water (m <sup>3</sup> /h)	Production Capacity (Kg/h)	Milling Medium (mm)	Overall Size (mm)
<b>BD-10</b>	22/30	10	2-12	1-1.5	100-1000	0.8-2.0	1500 x 1200 x 1700
<b>BD-15</b>	37/45	15	3-12	1-1.5	200-1500	0.8-2.0	1700 x 1300 x 1900
<b>BD-30</b>	75/90/110	30	5-40	1.5-2	500-3000	0.8-2.0	1900 x 1400 x 2100

## Characteristics

- ✔ High energy density design, good grinding effect.
- ✔ The compact structure of grinding chamber, which could reduce the residue.
- ✔ The unique cooling waterway design, ensure the ideal cooling effect.
- ✔ Using static centrifugal separation method.

## Super Flow

The large-area discharge screen with centrifugal separation ensures super large flow.

## Application Area

Grinding of nanometer scale material of middle and low viscosity, ink for LCD color filter, ink-jet, electronic pastes.

## Super Cooling Effect

- ✔ Pre-cooling at the top of the grinding chamber.
- ✔ Rotor internal cooling.
- ✔ Stator double cooling chamber.
- ✔ Cooling at the bottom of the grinding chamber.

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# 07 BB Vertical Sand Mill

An ordinary vertical sand mill equipment for grinding and dispersing liquid or solid materials.

## Application Area

Applicable for grinding and dispersing of liquid and solid materials under close status in paint, dye, pigment, printing ink, pesticide and papermaking industries



	Barrel Capacity	Motor Power	Speed	Pump Flux	Material Viscosity	Production Capacity	Weight
	(L)	(Kw)	(rpm)	(L/min)	(Pa•s)	(Kg/h)	(Kg)
<b>BB-20</b>	20	15	1320	2-12	≤5	150-400	1000
<b>BB-40</b>	40	22	1020	2-12	≤5	300-700	1500
<b>BB-80</b>	80	30	830	3-18	≤5	500-1200	2000

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# 08 BK Vertical Sand Mill

An ordinary vertical sand mill equipment for grinding and dispersing liquid or solid materials.

## Application Area

Applicable for grinding and dispersing of liquid and solid materials under non-closed state in paint, dye, pigment, printing ink, pesticide and papermaking industries.



	Barrel Capacity	Motor Power	Speed	Pump Flux	Material Viscosity	Production Capacity	Weight
	(L)	(Kw)	(rpm)	(L/min)	(Pa•s)	(Kg/h)	(Kg)
<b>BK-10</b>	10	5.5	1440	2-8	≤5	80-200	550
<b>BK-20</b>	20	11	1320	2-12	≤5	150-400	1000
<b>BK-40</b>	40	18.5	1020	2-12	≤5	300-700	1500
<b>BK-80</b>	80	30	830	3-18	≤5	500-1200	2000

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# 09 BTM Basket Mill

The milling basket, containing the grinding bead is lowered into the mill base, the fast circulation of the mill base within the milling basket is generated by the dispersing disc and intergrated pump wheel and a very narrow particle size distribution can be achieved very quickly.



	Voltage	Motor Power	Speed	Handling Capacity	Basket Capacity	Lifting Height	Milling Medium	Overall Size
	(V)	(Kw)	(rpm)	(L)	(L)	(mm)	(mm)	(mm)
<b>BTM-50</b>	-380	2.2	0-1500	10-50	1	400	1.8-2.0	1700 x 800 x 1500
<b>BTM-100</b>	-380	4	0-1500	30-100	2	500	1.8-2.0	1700 x 800 x 1500
<b>BTM-200</b>	-380	7.5	0-1500	50-200	4	600	1.8-2.0	2100 x 900 x 1900
<b>BTM-250</b>	-380	11	0-1500	80-250	6	700	1.8-2.0	1700 x 800 x 1500
<b>BTM-350</b>	-380	15	0-1500	150-350	10	800	2.0-2.4	1700 x 800 x 1500
<b>BTM-500</b>	-380	18.5	0-1500	200-500	16	900	2.0-2.4	2100 x 900 x 1900
<b>BTM-1000</b>	-380	22	0-1500	400-800	20	1000	2.0-2.4	2100 x 900 x 2000
<b>BTM-1500</b>	-380	30	0-1500	800-1200	30	1100	2.0-2.4	2350 x 1050 x 2350
<b>BTM-2000</b>	-380	45	0-1000	1000-2000	70	1300	2.0-2.4	2800 x 1300 x 2400
<b>BTM-3000</b>	-380	55	0-1000	1000-3000	100	1500	2.0-2.4	3000 x 1400 x 2600
<b>BTM-3500</b>	-380	75	0-1000	1000-3500	180	1600	2.0-2.4	3100 x 1500 x 2800

## Characteristics

- ✔ Suit for producing small batch product and middle test
- ✔ Easy Cleaning, no residues, convenient product replacement.
- ✔ Little grinding media required. Excellent grinding efficiency and effect.
- ✔ Double-walled container for cooling and heating.
- ✔ Modular design of parts make it much more convenient to disassemble, maintain and overhaul.

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# 10 BDG Dispersing Machine

High speed dispersing machine for producing paint, ink, coating, dyestuff, paper making and so on in chemical industry.



## Application Area

The mixer are used for wet dispersing machine and mixing liquid-solid material. This machine uses frequency conversion speed regulation, hydraulic elevating, working steadily, use and maintenance expediently

	Motor Power	Speed	Disc Diameter	Lifting Height	Power Pump	Handling Capacity	Weight	Overall Size
	(Kw)	(rpm)	(mm)	(mm)	(Kw)	(L)	(Kg)	(mm)
<i>BDG-1.5/2.2</i>	1.5/2.2	0-1450	150	600	0.55	50-100	120	940 x 350 x 1400
<i>BDG-4/5.5</i>	4/5.5	0-1450	200	800	0.55	100-200	400	1300 x 600 x 1700
<i>BDG-7.5/11</i>	7.5/11	0-1450	250	900	0.55	400-600	800	1800 x 900 x 1750
<i>BDG-22/30</i>	22/30	0-1450	350	1200	0.75	600-1200	1500	2100 x 900 x 2200
<i>BDG-37/45</i>	37/45	0-1200	400/450	1300	1.1	1200-2000	2000	2300 x 100 x 2250
<i>BDG-55/75</i>	55/75	0-1200	500/550	1600	1.5	2000-3000	2500	2500 x 1200 x 2500
<i>BDG-90/110</i>	90/100							May be designed according to customer demand
<i>BDG-132/160</i>	132/160							May be designed according to customer demand
<i>BDG-200/220</i>	200/220							May be designed according to customer demand
<i>BDG-250</i>	250							May be designed according to customer demand

# 11 BDH

## High Speed Double Shaft Disperser

The dual shaft disperser is suitable for mixing and dispersing two or more kinds of liquid and powder materials. Double impellers disperse the solid-liquid phase in the same time, effectively reducing the material following-up phenomenon and improving the dispersing result and quality.



	Motor Power	Speed	Lifting Height	Tank Capacity
	(Kw)	(rpm)	(mm)	(L)
<i>BDH-11</i>	11	0-1200	900	500
<i>BDH-30</i>	30	0-1200	1200	1000
<i>BDH-45</i>	45	0-1200	1400	2000
<i>BDH-75</i>	75	0-1200	1600	3000

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# 12 BDZ

## Vacuum Dispersing Machine

Suitable for materials which easily producing bubbles and volatile solvents. Materials will be dispersed in vacuum tanks, thus to reduce the volatilization of bubbles and solvents, accelerate the deaeration of materials, and improve the dispersion fineness. With the advantage of simple structure, high vacuum, convenient to operate and wide application range.



	Motor Power	Speed	Tank Capacity	Lifting Height	Vacuum	Disc Diameter
	(Kw)	(rpm)	(L)	(mm)	(MPa)	(mm)
<b>BDZ-200</b>	7.5	100-1400	200	900	≤-0.07	200
<b>BDZ-400</b>	15	100-1400	400	900	≤-0.07	300
<b>BDZ-600</b>	22	100-1400	600	1200	≤-0.07	350
<b>BDZ-1000</b>	30	100-1400	1000	1200	≤-0.07	400

# 13 BDT Concentric Double Shaft Agitator

Suitable to stir and mix the high viscosity materials in coating and printing ink industries. The frame stirring device makes the material mixed and prevents it from sticking on the walls. The high speed disperser makes the materials be mixed and dissolved adequately and the product can reach the requirement in short time.



	Motor Power (Kw)	Mixer Speed (rpm)	Dissolver Motor (Kw)	Dissolver Speed (rpm)	Tank Capacity (L)
<i>BDT-400</i>	4	50	11	1500	150
<i>BDT-300</i>	2.5	40	15	1500	300
<i>BDT-500</i>	7.5	25	22	1500	500
<i>BDT-1000</i>	11	25	37	1500	1000
<i>BDT-1500</i>	15	25	55	1500	1500

# 14

## BDL

### Double Shaft Mixer

High efficiency mixing equipment applicable for high viscosity material, to make material dispersing, dissolving and mixing uniform. Especially for coating, ink, pigment, etc...industries.



	Tank Capacity	High Speed Power	Low speed power	High Speed blade diameter	Low speed shaft mixing device	High speed shaft	Low speed shaft	Max. Range of up and down	Dimension
	(L)	(Kw)	(Kw)	(mm)	(mm)	(rpm)	(rpm)	(mm)	(mm)
<b>BDL-400</b>	150	7.5-11	4-4.5	200	570	1500	90-120	700	1750 x 1250 x 2350
<b>BDL-900</b>	500	18.5-22	7.5-15	250	860	1500	60-120	950	2420 x 1400 x 3106
<b>BDL-1000</b>	600	22-37	11-30	280	960	1500	120	1000	2800 x 1700 x 3250
<b>BDL-1200</b>	900	30-55	11-37	330	1160	1500	120	1100	2800 x 1700 x 3250

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# 15 BDB Butterfly Mixer

BDB series disc mixer is a kind of efficient mixing equipment. The mixer adopts three-blade disc type blades. At the same time, vacuum is drawn in the mixing process, which can effectively improve the product quality. It can automatically rise and fall while stirring to improve production efficiency. It is applicable for high viscosity putty, adhesive and offset ink industry.



	Motor Power	Blade Speed	Blade Diameter	Lifting Height	Pump Motor	Disc Diameter
	(Kw)	(rpm)	(L)	(mm)	(Kw)	(mm)
<b>BDB-600</b>	4-11	0-130	580	700	0.75	600 x 500
<b>BDB-900</b>	4-15	0-130	880	900	0.75	900 x 750
<b>BDB-1000</b>	5.5-18.5	0-130	980	1000	0.75	1000 x 750
<b>BDB-1200</b>	5.5-30	0-130	1120	1120	1.5	1200 x 1000

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# 16 BYL Hydraulic Discharging Machine

The hydraulic discharging machine match with double planetary driven mixer, double planetary type mixer and multifunction mixer, can realize extrusion, manual filling and transmission of high viscosity material.

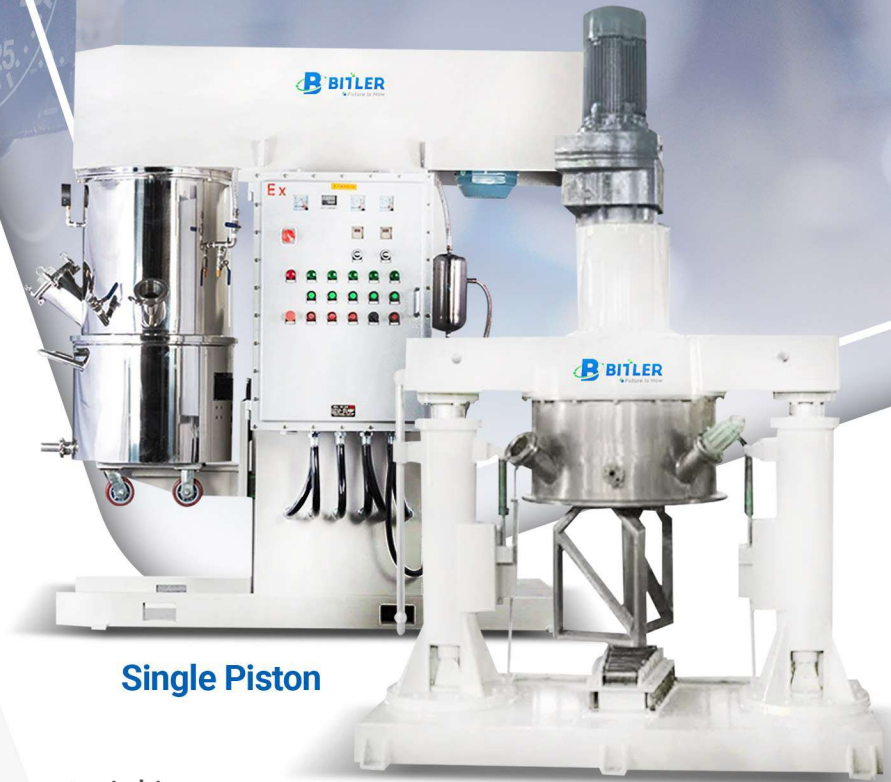


	Motor Power	Tank Diameter	Disk Diameter	Lifting Height
	(Kw)	(mm)	(mm)	(mm)
<i>BDL-900</i>	4	900	900	1150
<i>BDL-1000</i>	4	1000	1000	1150
<i>BDL-1100</i>	5.5	1100	1100	1250
<i>BDL-1200</i>	5.5	1200	1100	1250

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# 17 BXJ Planetary Mixer

- ✔ The stirring paddle in the kettle rotates during revolution.
- ✔ There are various blades such as frame that can be chosen.
- ✔ Vacuum design ensures the material is working in a sealed environment.
- ✔ The heating method of the kettle body can adopt electric heating, steam heating, hot water or hot oil external circulation, intelligent temperature controller, and precise temperature control.



**Single Piston**

**Double Piston**

	Bowl Size (Dia. X Dep)	Full Volume	Working Volume	Power	Agitating speed on own axis	Orbital/ Scraping speed	Rising/ Lowering Stroke	Vacuum
	(mm)	(L)	(L)	(Kw)	(rpm)	(rpm)	(mm)	(Mpa)
<b>BXJ-2L</b>	Ø180 x 120/150	3/3.8	2	0.37-0.75	0-100	0-60	220	-0.098-0.08
<b>BXJ-5L</b>	Ø240/288 x 180	8/11.7	5	0.55-1.5	0-100	0-60	270	-0.098-0.08
<b>BXJ-100L</b>	Ø600 x 460/500	130/140	100	4-11	0-100	0-60	560	-0.098-0.08
<b>BXJ-200L</b>	Ø720/750 x 650	265/287	200	7.5-15	0-80	0-50	750	-0.098-0.08
<b>BXJ-500L</b>	Ø1000 x 380	650	500	15-37	0-60	0-40	930	-0.098-0.08
<b>BXJ-1000L</b>	Ø1250 x 1000	1227	1000	30-55	0-50	0-30	1100	-0.098-0.08

# 18 BXDJ Double Planetary Mixer

- ✔ The stirring paddle in the kettle rotates during revolution.
- ✔ There are various blades such as frame that can be chosen.
- ✔ The additional one or two high-speed disperser in the kettle rotate during revolution.
- ✔ The heating method of the kettle body can adopt electric heating, steam heating, hot water or hot oil external circulation, intelligent temperature controller, and precise temperature control.



**Single Piston**

**Double Piston**

	Bowl Size (Dia. X Dep)	Full Volume	Working Volume	Dispersing Motor Power	Dispersing speed on own axis	Revolution stiring power	Agitating speed on own axis	Orbital/ Scraping speed	Vacuum
	(mm)	(L)	(L)	(Kw)	(rpm)	(Kw)	(rpm)	(rpm)	(Mpa)
<b>BXDJ-2L</b>	Ø180 x 120/150	3/3.8	2	0.37-0.75	0-3000	0.37/0.75	0-100	0-60	-0.098-0.08
<b>BXDJ-5L</b>	Ø240/288 x 180	8/11.7	5	0.75-2.2	0-3000	0.55/1.5	0-100	0-60	-0.098-0.08
<b>BXDJ-100L</b>	Ø600 x 460/500	130/140	100	4-11	0-3000	4/11	0-100	0-60	-0.098-0.08
<b>BXDJ-200L</b>	Ø720/750 x 650	265/287	200	11-12	0-2500	5.5/18.5	0-80	0-50	-0.098-0.08
<b>BXDJ-500L</b>	Ø1000 x 380	650	500	22-45	0-1500	15/37	0-60	0-40	-0.098-0.08
<b>BXDJ-1000L</b>	Ø1250 x 1000	1227	1000	37-75	0-960	22/55	0-50	0-30	-0.098-0.08

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# 19 BQLF Powerfull Dispersing Machine



Powerful Dispersing Machine is a kind of high efficient and multi-function, homogenizer mixing machine. it is the main equipment for glass glue, and widely use in the fields of adhesive, silicone sealant, Silicone structural adhesive, black glue, weather resistant adhesive, mould proof glass glue, cosmetics, chemical product, battery, food, medi-cine and plastic industry etc.

Powerful Dispersing Machine has three motors and three different type agitators in the kettle. Cause the material to make the complex movement in the kettle, and subjected to the intense shearing and rubs together. he tank cover can hydraulic lifting, tank is moveable and easy operate. The type of agitator can use multilayer blades, frame, butterfly, impellers ...etc. according to the materials' request. Usually adopt the inverter to adjust speed and can satisfy all kinds of technical request.

	Capacity	Power	Power	Speed	Speed
	(L)	(Kw)	(Kw)	(rpm)	(rpm)
<i>BQLF-600</i>	600	15	22 x 2	0-40	0-1450
<i>BQLF-1500</i>	1500	22	30 x 2	0-40	0-1000
<i>BQLF-3000</i>	3000	30	37 x 2	0-40	0-1000
<i>BQLF-5000</i>	5000	45	55 x 2	0-40	0-1000

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# 20 BDK Dispersing Kettle & FTC Tinting Kettle



Applicable for concocting finished products or mixing different phases of materials in coating, dyes, pigments, printing inks, pesti-cide and paper-making industries, etc. It can be fitted with many kinds of mixers, which are suitable for different working conditions.

	Diameter	Height of Dispersing Kettle	Height of Paint Mixing	Dispersing Kettle Power	Dispersing Kettle Speed	Paint mixing kettle power	Paint mixing kettle speed
	(mm)	(mm)	(mm)	(Kw)	(rpm)	(Kw)	(rpm)
500L	800	1000	1060	11	0-1450	1	112
1000L	1000	1250	1400	15	0-1450	2	112
2000L	1400	1540	1575	30	0-1450	4	112
3000L	1500	1880	1750	37	0-1450	5	88
4000L	1600	2180	2125	45	0-1450	7	88
5000L	1800	2235	2125	55	0-1450	11	88
6000L	1900	236	2475	75	0-1450	11	88
8000L	2000	2720	2725	90	0-1000	15	88
10000L	2200	2820	3050	110	0-1000	18	65

## Characteristics

- ✓ The kettle is able to be made into many types such as vacuum type, normal-pres-sure type, pressure-proof type, cooling type, heating type and so on.
- ✓ Various blades as paddle, frame and anchor with low-speed running can be chosen. Also the kettle, normally with single layer structure can be made into normal pressure type, pressure proof type, etc.

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# 21 BS Multi-Function Dispersing Kettle



BS model multi-purpose dispersing kettle integrates the low speed strong stirring and high speed dispersing. The machine is suitable for stirring, dissolving, dispersing and color mixing many kinds of materials.

	Capacity	Stiring power	Stiring Speed	Dispersing power	Dispersing Speed
	(m <sup>3</sup> )	(Kw)	(rpm)	(Kw)	(rpm)
BS-1	1	4	50	11/15	960/1450
BS-2	2	5.5	50	15/22	960/1450
BS-3	3	5.5	50	18.5/30	960/1450
BS-5	5	7.5	50	22/37	960/1450
BS-8	8	11	41	30/45	960/1450
BS-10	10	15	41	37/55	960/1450
BS-15	15	22	41	45/75	750/1480

## Characteristics

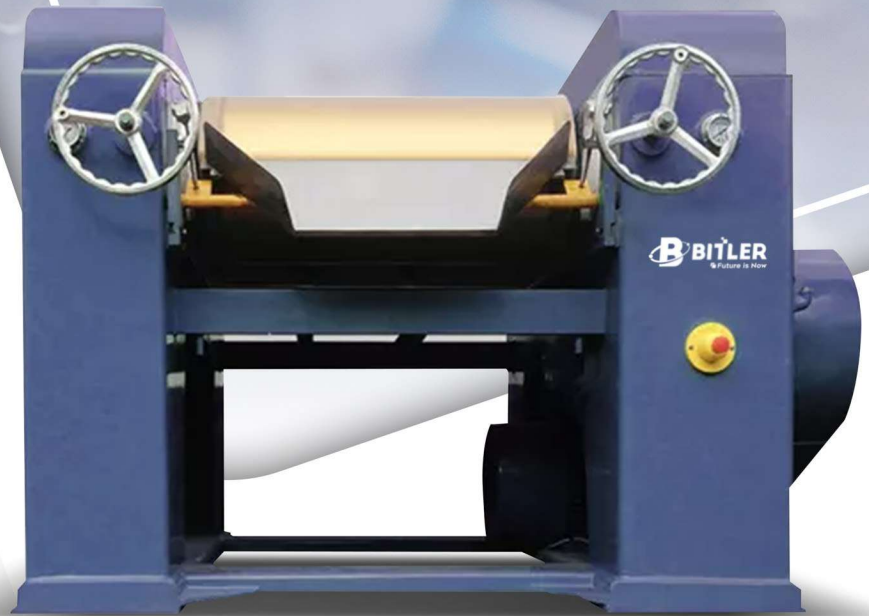
- ✓ Scraping wall is alternative for low speed stirring.
- ✓ Dispersing disc, emulsifying head and screw are alternative for high speed disperser.



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# 23 BG Triple- Roller Mill

The triple-roller mill is mainly used in paint, printing ink, pigment, plastic, etc., especially milling and dispersing products with high viscosity and small granularity. The grinding effect is achieved by squeezing the surfaces of three horizontal alloy rollers and friction at different speeds. It is sprocket driven, the gear is immersed into lubricant, so the service life of the machine is maximally prolonged, noise and energy consumption are reduced. The roller is made of wear-resistant alloy steel and has a long life.



	Roller diameter	Working length	Speed Slow	Speed Middle	Speed Fast	Motor Power	Overall size	Weight
	(mm)	(mm)	(rpm)	(rpm)	(rpm)	(Kw)	(mm)	(Kg)
<b>BG-150</b>	150	300	26	78	205	2.2	980 x 750 x 915	500
<b>BG-260</b>	260	675	24	68.5	195	7.5	1750 x 1400 x 1180	2000
<b>BG-406</b>	406	810	16	48	145	15	2100 x 1900 x 1360	5300
<b>BG-406L</b>	406	1000	16	48	145	22	2530 x 1778 x 1320	5800



# 24 BYG Triple- Roller Mill

This machine adapts a three rollers grinder controlled by hydraulic pressure from double-impeller pump. The basic work of machine such as feeding, discharging and size of material is controlled by hydraulic pressure. High degree of automation, convenient to operate and in use.



	Roller diameter	Working length	Overall size	Motor Power	Hydraulic motor power	Hydraulic system	Weight
	(mm)	(mm)	(mm)	(Kw)	(Kw)	(MPa)	(Kg)
<i>BYG-400 With Hopper</i>	400	1300	2634 x 1750 x 2295	55	1.5 x 2	6.3 x 2	5200
<i>BYG-400 Without Hopper</i>	400	1300	2634 x 1750 x 2295	55	1.5	6.3	4800
<i>BYG-260</i>	260	650	1600 x 1280 x 1260	22	1.5	6.3	2000
<i>BYG-150</i>	150	300	950 x 950 x 1080	3	0.375	6.3	520

# 25 BSA High- Shearing Emulsifier

The dispersing emulsifier is forming high frequency, strong tangential velocity and angular velocity by high speed and steady rotation of the rotors. Under the action of the stator, a strong, reciprocating hydraulic shear, friction, centrifugal extrusion, and liquid flow collision are formed in the reasonable and narrow gap between the stator and the rotors. It is suitable for efficient dispersing and mixing of solid and liquid materials.

	Roller diameter	Working length	Overall size	Motor Power	Hydraulic motor power	Hydraulic system	Weight
	(mm)	(mm)	(mm)	(Kw)	(Kw)	(MPa)	(Kg)
<i>BYG-400 With Hopper</i>	400	1300	2634 x 1750 x 2295	55	1.5 x 2	6.3 x 2	5200
<i>BYG-400 Without Hopper</i>	400	1300	2634 x 1750 x 2295	55	1.5	6.3	4800
<i>BYG-260</i>	260	650	1600 x 1280 x 1260	22	1.5	6.3	2000
<i>BYG-150</i>	150	300	950 x 950 x 1080	3	0.375	6.3	520

# 26 BSY High- Shearing Emulsifier



- ✔ Using electric hydraulic lifting.
- ✔ Simple, fast and flexible movements.
- ✔ Can be matched with pull cylinder and pull cylinder fixing device.
- ✔ Suits for medium and large batch production.

	Power (Kw)	Handling Capacity (L)	Speed (rpm)	Overall Size (mm)
<i>BSY-11</i>	11	600	2900	1600 x 900 x 2000
<i>BSY-22</i>	22	1000	1440	2100 x 1100 x 2400
<i>BSY-37</i>	37	2000	1440	2300 x 1100 x 2600
<i>BSY-55</i>	55	3000	980	2700 x 1400 x 2800

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# 27 BLD Ribbon Mixer

The horizontal ribbon belt mixing machine comprises U-shaped container, transmission parts and spiral belt, agitating blades which usually have double or triple layers with outside screw

gathering the material from sides to center and inside screw transmitting the material from center to sides to form convective mixing. The ribbon mixer has a good effect on the mixing of viscous or cohesive powders and granules, as well as the mixing of liquid and paste materials in the powders and granules. The cylinder cover can be fully open so as to clean and change the device.



	Spec	Working Capacity	Power	Speed	Overall Size	Weight
	(Kw)	(L)	(Kw)	(rpm)	(mm)	(Kg)
<i>BLD-0.5</i>	0.5	0.4-0.6	5.5	66	1672 x 1142 x 1300	955
<i>BLD-1</i>	1	0.4-0.6	11	41	1970 x 1437 x 1500	1400
<i>BLD-2</i>	2	0.4-0.6	15	41	2480 x 1561 x 1830	2500
<i>BLD-3</i>	3	0.4-0.6	18.5	33	2880 x 1895 x 2083	3300
<i>BLD-4</i>	4	0.4-0.6	22	33	3026 x 1947 x 2235	3600
<i>BLD-5</i>	5	0.4-0.6	30	26	3518 x 1945 x 2233	4620
<i>BLD-6</i>	6	0.4-0.6	37	26	3905 x 1683 x 2286	53300
<i>BLD-8</i>	8	0.4-0.6	45	26	4398 x 1960 x 3150	6800
<i>BLD-10</i>	10	0.4-0.6	55	20	4500 x 2070 x 2667	8902
<i>BLD-12</i>	12	0.4-0.6	55	20	4486 x 2250 x 2737	9520
<i>BLD-15</i>	15	0.4-0.6	75	17	5363 x 2250 x 3070	9950

# 28 BBE Bag Filter

The BBE series bag filter has a new structure, small volume, simple operation, energy efficiency, high efficiency, closed working and strong adaptability. It is widely used in the chemical, coating, printing ink and food industries. This model includes the single filter and duplex filter, forming complete set with the conveying pump unit assembled on the movable trolley. The bag filter inner protection net is made by stainless steel. Two kinds of mobile filter are optional for different raw material carbon steel and stainless steel.



	Dim	Pressure	Temperature	Viscosity	Pump
	(m <sup>2</sup> )	(MPa)	(°C)	(Pa•s)	
<i>BBE-25</i>	0.25	0.6	<120	≤10	Air pump or gear pump
<i>BBE-50</i>	0.5	0.6	<120	≤10	Air pump or gear pump

# 29 BVE Vibration Screen

Suitable for the thickness of various dry and wet materials in coatings and other industries, solid-liquid separation, all kinds of powder and mucus are applicable. It has the characteristics of the mesh is not easy to be blocked, the screen is easy to change and clean, the operation is simple, the noise is low when working, and the maneuverability is good when used.



	Dim (m <sup>2</sup> )	Frequency (Hz)	Temperature (Kw)	Sift type	Barrel Materials
<i>BVE-500</i>	0.2	3000	0.37	60-200	Aluminium Alloy

# 30 BWG Filling Machine

- ✔ It adopts gravimetric filling with high measuring precision.
- ✔ Fast and slow feeding valves, promoting filling speed greatly.
- ✔ Wide measuring range and the accuracy is  $\pm 10\text{g}/\text{barrel}$ .
- ✔ Filling nozzle adopts anti-leak device, air-free in the filling material.
- ✔ Automatic feeding and filling, equipped with pneumatic nipping and capping set.



	Filling Range (Kg)	Filling Speed (Time/h)	Rate of Accuracy	Accuracy	Power	Air source	Ambient temperature
BWG-5	0.5-5	160-240	0.25	$\pm 0.2\%$		Flux	
BWG-10	2-10	160-240	0.25	$\pm 0.2\%$	AC220V	0.1m <sup>3</sup> /min	0°C-40°C
BWG-30	10-30	160-240	0.25	$\pm 0.2\%$	/50Hz $\pm 2\text{Hz}$	Pressure	
BWG-50	10-50	160-240	0.25	$\pm 0.2\%$		0.4-0.6MPa	

## APPLICATION AREA

This machine mainly used to fill coating, ink, paint, bitumen, glue, lubrication in the field of oil industry, fine chemicals.

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# 31 BVG Filling Machine

- ✔ Full pneumatic control, meets explosion proof requirements.
- ✔ With precise volume measurements and fast filling speed.
- ✔ With very good adaptability to liquids of low, middle and high viscosity.
- ✔ With replaceable filling heads, avoiding leaking and splashing.
- ✔ Equipped with hopper fluid level controller, automatic feeding is available.
- ✔ With convenient and practical foot switch.



	Material (paint) Viscosity	Filling Range	Accuracy	Air consumption	Capacity	Overall dimension
	(cps)	(ml)	(ml)	(m <sup>3</sup> /h)	(can/min)	(mm)
<b>BVG-500</b>	≤3000	50-250	±3	0.5-1	10-15	1520 x 1000 x 1600
<b>BVG-5000</b>	≤3000	500-5000	±6	0.5-1	5-8	1700 x 1000 x 1600

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# 32 BQG Filling Machine

- ✔ Live view of weighing value.
- ✔ Formulation can be set and stored.
- ✔ Filling head stretch into the bottom of the can, and rise slowly when filling.
- ✔ Filling head automatically returning if improper can opening.
- ✔ Especially suitable for cans with small opening or materials producing bubbles easily.
- ✔ With two operating methods (automatic/manual).
- ✔ With two feeding speeds (fast/slow).
- ✔ Automatic control of feed pump function.



	Filling Range (ml)	Filling Speed (time/h)	Rate of Accuracy	Accuracy	Power	Air Source	Ambient Temperature
<b>BQG-30</b>	2.5-30	160-200	0.25	±20G	AC220V/50 Hz±2Hz	0.1m <sup>3</sup> /min 0.4-0.6MPa	0°C-40°C

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# 33 BDF Filling Machine



- ✔ Normal type or Lift and dive filling type.
- ✔ Live view of weighing value.
- ✔ Recipe can be set and stored.
- ✔ Filling quick/slow two grades of speed.
- ✔ Automatic control of feed pump function.

	Max. Weight	Filling Range	Filling Precision	Filling Speed	Filling Temperature	Power	Air Source
	(Kg)	(Kg)		(d/h)			
<i>BDF-100</i>	100	50-90	±2%	100-180	0-180°C	AC220/380V	0.1m <sup>3</sup> /min
<i>BDF-300</i>	300	100-300	±2%	50-60	0-180°C	50Hz	0.4-0.6MPa
<i>BDF-1000</i>	1000	200-1000	±2%	10-30	0-180°C		

## Application Area

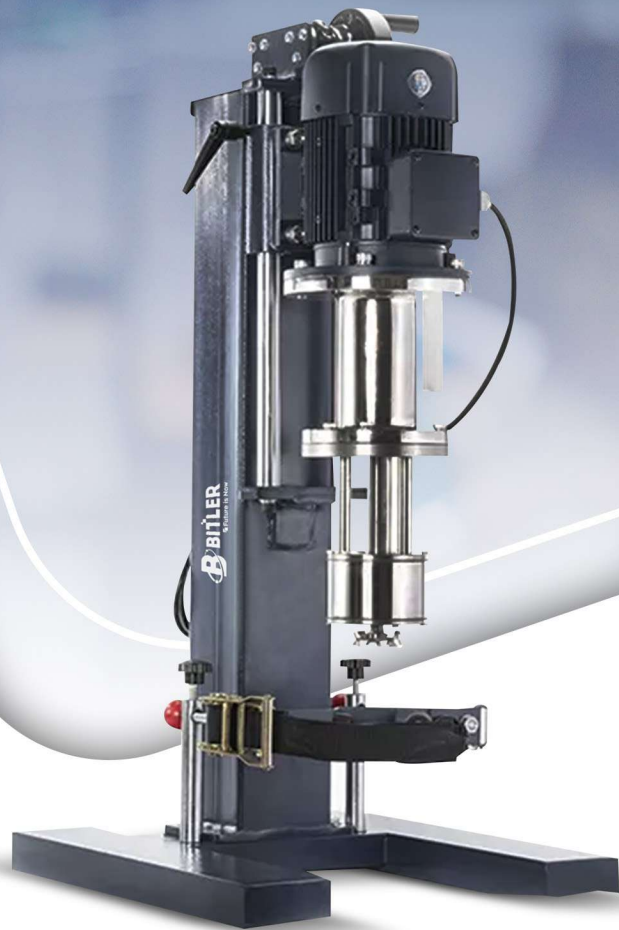
Coatings, paints, printing ink, pastern, hardening agents, organic solvents, cosmetics, detergents, pesti-cides, medicine, lubricants, edible oil and all kinds of fluid liquid.

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# 34 BTM-L Lab Basket Mill

An ordinary laboratory basket mill equipment for your laboratory activity needs. It suitable for mixing any liquid materials in bucket.



	Power (Kw)	Voltage (V)	Speed (rpm)	Handling Capacity (L)	Milling Medium (mm)	Overall Size (mm)
<i>BTM-L</i>	0.75	220/380	0-2800	1.2-3	1.6-1.8	550 x 470 x 900

## Characteristics

- ✔ Frequency stepless speed control, digital display.
- ✔ Basket can be made of polymer material, solvent-proof, and white change color while milling.
- ✔ Basket can be dismantled, convenient to clean.

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# 36 BSP-L Lab Nano Sand Mill

Mainly used in color paste and pesticide formulation. It's suit for medical laboratories, biological research, cosmetic and colleges laboratories. Applied in the field of dispersing and dissolving of liquid and liquid or solid and liquid with various viscosity levels.



	Motor Power (Kw)	Barrel Capacity (L)	Milling medium (mm)	Overall Size (mm)
<b>BSP-L</b>	2.2	0.6	0.2-0.8	600x660x1000

## Characteristics

- ✔ The structure of machine is designed according the principle of the sand mill.
- ✔ With frequency inverter,the machine could adjust speed according to the process characteristics of the material.
- ✔ Such as temperature and pressure The parameters controlled by PLC.  
With imported diaphragm pump.
- ✔ Fineness 100nm.
- ✔ The whole structure is reasonable, running safety.

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# 37 LAB Sand Mill

The lab sand mill is widely used in laboratory in different industry, such as painting, ink, pesticides, operating simply, using conveniently.



	Motor Power (Kw)	Barrel Capacity (L)	Milling medium (mm)	Overall Size (mm)
<i>BWE-L</i>	4	2	1.0-1.8	820 X 750 X 860
<i>BDS-L</i>	5.5	2	0.8-1.6	820 X 750 X 860



**FWE-L**



**FDS-L**

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