



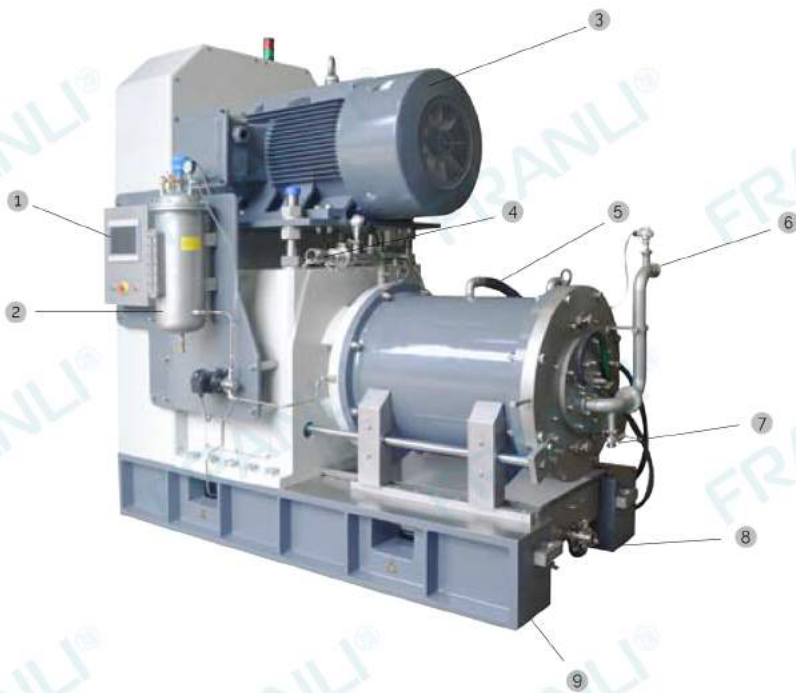
Bead Mill

One stop service

SMP SERIES Agitator Bead Mill

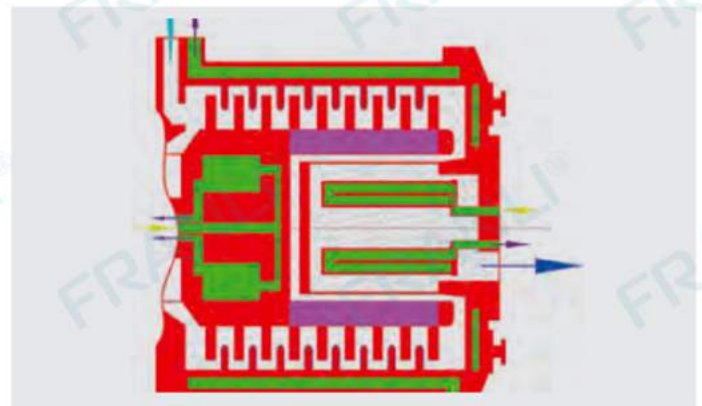
Application: Mainly used for battery industry, digital consumptive materials, ceramic materials, mineral pigment, rare-earth materials, cosmetics, pharmaceutical preparation, etc.

- Battery Industry: cathode materials of the lithium iron phosphate batteries.
- Digital Consumptive Materials: digital jet printing ink.
- Ceramic Materials: alumina oxide, zirconia, silicon carbide.
- Mineral Pigment: titanium pigment, calcium carbonate, ferric oxide.
- Rare-earth Materials: zirconium oxide, cerium oxide, etc.
- Cosmetics: pearl powder.
- Pharmaceutical Preparation.



Equipment details

- 1 Operation box
- 2 Coolant storage tank
- 3 Motor
- 4 Material inlet
- 5 Grinding chamber
- 6 Material outlet
- 7 Sample inspection port
- 8 Port for receiving tray
- 9 Sliding track



Model	SMP-0.5	SMP-1	SMP-6	SMP-10	SMP-25	SMP-60	SMP-90	SMP-150	SMP-400	
Volume (L)	0.5	1	6	10	25	60	80	146	402	
Beads (mm)	0.03~1.0	0.03~1.0	0.03~1.0	0.03~1.0	0.03~2.0	0.03~2.0	0.03~2.0	0.03~2.0	0.03~2.0	
Batch (L)	1~3	2~20	50~150	100~1000	500~2000	>1000	>1500	>2000	≥3000	
Motor (kw)	4	5.5	15	18.5~22	45	75~90	110~160	160~250	400~500	
Speed (rpm)	0~3000	0~3000	0~1500	0~1300	0~1000	0~800	0~650	0~580	0~480	
Fineness (nm)	D90<100	D90<100	D90<100	D90<100	D90<100	D90<100	D90<100	D90<100	D90<100	
Overall dimensions (mm)	L	800	1000	1250	1400	2100	2200	2500	2900	2700
	W	600	700	1050	1200	950	1000	1100	1220	1600
	H	720	820	1480	1800	1660	2300	2400	2600	2400
Weight (kg)	160	200	600	1500	2200	3000	5400	8000	11000	

SMP-1 Agitator Bead Mill

Application: Widely used in ceramics, ink, color filter separating agent, functional ceramic, lithium battery materials, thermal paper, electronic slurry, nano paste, pesticides and other fields nano grinding.



Model	SMP-6	SMP-10	SMP-30	SMP-60	SMP-90	SMP-150	SMP-300
Vessel capacity(L)	6	10	30	60	90	150	300
Main motor power(kw)	15	22	45	75-90	110-132	160-185	250-315
Grinding media(mm)	0.2-2	0.2-2	0.2-2	0.2-2	0.2-2	0.2-2	0.2-2
Weight(kg)	600	750	1500	3000	4000	6000	7500

SMD SERIES

Horizontal bead mill

Application: Mainly used in automobile paint, steelroll paint, corrosion-proof paint, wood paint, screen printing ink, gravure ink, textile pigment, TiO₂ powder, pharmacy, pesticide etc.



Equipment details

- 1 Material outlet
- 2 Receiving tray
- 3 Grinding chamber
- 4 Material inlet
- 5 Motor
- 6 Operation box



Character

- Eliminate invalid radial force of the cavity
- All material of grinding chamber is replaceable
- All easy-damaged parts can be replaced individually
- Special disc and shaft with thrust
- Special centrifugal type screen



Technical parameter

Model	SMD-0.5	SMD-30	SMD-50	SMD-100	SMD-300	SMD-1200	SMD-3000	
Power (KW)	4	22~30	30~37	45~55	90~132	350	560	
Volume (L)	0.5	30	50	100	300	1200	3500	
Beads (mm)	0.3~2.0	0.3~2.0	0.3~2.0	0.4~2.0	0.6~2.0	0.6~2.0	0.6~2.0	
Linear (m/s)	0~13	0~12.5	0~12.5	0~12.5	0~12	0~12	0~12	
Output (L/h)	30~60	100~500	500~800	800~1500	1500~4000	5000~15000	8000~22000	
LxWxH(mm)	L	800	1800	2000	2300	3000	5500	6500
	W	600	800	850	1000	1200	1800	2200
	H	720	1600	1650	1700	2300	3200	3500
Weight (kg)	100	1500	2000	2800	7000	12000	16000	

Optional configuration table

Configuration table (● Standard / ○ Optional)		
Explosion-proof		○
Structure	Turbine	○
	All disc	●
Cylinder	304 stainless steel passivation	○
	A3 carbon steel with paint	●
Material of cylinder liner	Polyurethane	○
	Ceramic	○
	Die steel	●
	Stainless steel	○
Pump	Gear pump	○
	Diaphragm pump	●
	Hose pump	○
PLC	Siemens	○
	Domestic	○
Inverter control	ABB	○
	Domestics	●
Auxiliary cooling system		○
Feed filter		○
Discharge filter		○

SMP SERIES

Agitator Bead Mill

Application:

- Battery Industry: cathode materials of the lithium iron phosphate batteries.
- Digital Consumptive Materials: digital jet printing ink.
- Ceramic Materials: alumina oxide, zirconia, silicon carbide.
- Mineral Pigment: titanium pigment, calcium carbonate, ferric oxide.
- Rare-earth Materials: zirconium oxide, niobium oxide, cerium oxide, etc.
- Cosmetics: pearl powder.
- Pharmaceutical Preparation.



Equipment details

- 1 Operation desk
- 2 Material inlet
- 3 Grinding chamber
- 4 Receiving tray
- 5 Coolant storage tank
- 6 Pressure gauge
- 7 Material outlet
- 8 Diaphragm pump

Technical parameter

Model		SMT-0.5	SMT-5	SMT-15	SMT-30	SMT-90
Power (KW)		3~4	11~15	30~37	37~45	55~75
Power (L)		0.4	5	15	30	90
Beads (mm)		0.1~1.2	0.1~1.2	0.3~1.2	0.3~1.2	0.3~1.2
Speed (r/min)		0~3000	0~2500	0~1800	0~1500	0~850
Output (L/h)		1~30	200~450	300~800	500~1200	800~3000
D (mm)	L	800	1250	1550	1800	2300
	W	600	1050	1400	1400	1000
	H	720	1480	1900	1900	1700

Optional configuration table

Configuration table (● Standard / ○ Optional)		
Explosion-proof		○
Cylinder	304 stainless steel passivation	○
	A3 carbon steel with paint	●
Material of cylinder liner	Ceramic	●
	Die steel	○
Pump	Gear pump	○
	Diaphragm pump	●
	Hose pump	○
PLC	Siemens	○
	Domestic	○
Inverter control	ABB	○
	Domestics	●
Auxiliary cooling system		○
Feed filter		○
Discharge filter		○

DMH SERIES

Dyno Mill

Application: Mainly used in offset printing ink, screen printing ink, Condensed ink, Ultra-violet printing ink, gravure printing ink, rubber gravure printing ink, water-borne printing ink, paints, etc.

Equipment details

- ① Material inlet
- ② Material outlet
- ③ Grinding chamber
- ④ PLC screen



Technical parameter

Model		DMH-18	DMH-80	DMH-120	DMH-180	DMH-240	DMH-280
Motor power (KW)		3~11	22~37	37~45	45~55	55~75	75~90
Grinding media (mm)		0.6~2.0	0.8~2.0	0.8~2.5	0.8~2.5	0.8~2.5	1.6~2.5
Productive capacity (kg/h)		3~50	50~200	100~300	150~500	200~700	250~800
Volume of grinding (L)		1.2	9	13	15	20	20
Compressed air (bar)		2~6	2~6	2~6	2~6	2~6	2~6
Overall dimension LxWxH (mm)	L	1000	1550	1800	2000	2000	2020
	W	900	1100	1260	1650	1680	1680
	H	1300	1600	2200	2500	2500	2550
Outlet height (mm)		900	1100	1400	1500	1500	1540
Weight (kg)		600	1200	2200	3000	3300	3800

Configuration table (● Standard / ○ Optional)

Explosion-proof		○
Cylinder	304 stainless steel passivation	○
	A3 carbon steel with paint	●
Material of cylinder liner	Stainless steel	○
	Die steel	●
Pump	Gear pump	●
	Diaphragm pump	○
	Hose pump	○
PLC	Siemens	○
	Domestic	○
Analogous drawing and touch screen		○
Inverter contro	ABB	○
	Domestics	○
Auxiliary cooling system		○
Feed filter		○
Discharge filter		○

DMV SERIES Pearl Mill

This machine is designed specially for predispersion and fine dispersion of high viscosity material (offset oil ink). It can be used singly and also together with three rollers grinder through connection as well as full automatic production line. It is an ideal equipment for producing offset oil ink and high viscosity material.

Features

- PLC is used for control, analogous drawing and touch screen are available (optional).
- The pressure in the milling chamber is auto-controlled, to choose the optimum milling result.
- The mechanical sealing and bearing connected by open mode to solve the problem of clash between main shaft and coupler in the high-viscosity state, so the operation of equipment can be much reliable and safety.
- The double-spiral internal cooling channel can disperse the heat during the operation in high-viscosity.
- The brand "BURGMANN" of German is adopted for mechanical sealing "NSK" of Japan for bearing, the dynamic separator made of powder metallurgy.
- The material can reach at the ideal fineness only by once milling, matched with three roll mill, the production can be finished in one time, to increase the efficiency extremely.

Equipment details

- ① Operation box
- ② Grinding chamber



Technical parameter

Model	DMV-SZ8	DMV-SZ14	DMV-SZ25	DMV-SH14	DMV-SH30	DMV-SH50
Power (KW)	30	37	55	30	45	55
Media (mm)	2.0	2.0	2.0	2.0	2.0	2.0
Capacity (kg/h)	50~100	70~150	100~180	80~150	100~180	150~350
Volume (L)	8	14	25	14	30	50
Air (bar)	2~6	2~6	2~6	2~6	2~6	2~6
Length	1600	1700	1800	1400	1600	1700
Width	1100	1100	1200	700	900	1000
Height	1760	1840	1700	1830	2300	2500
Weight (kg)	1500	2000	2800	2700	3000	3500

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