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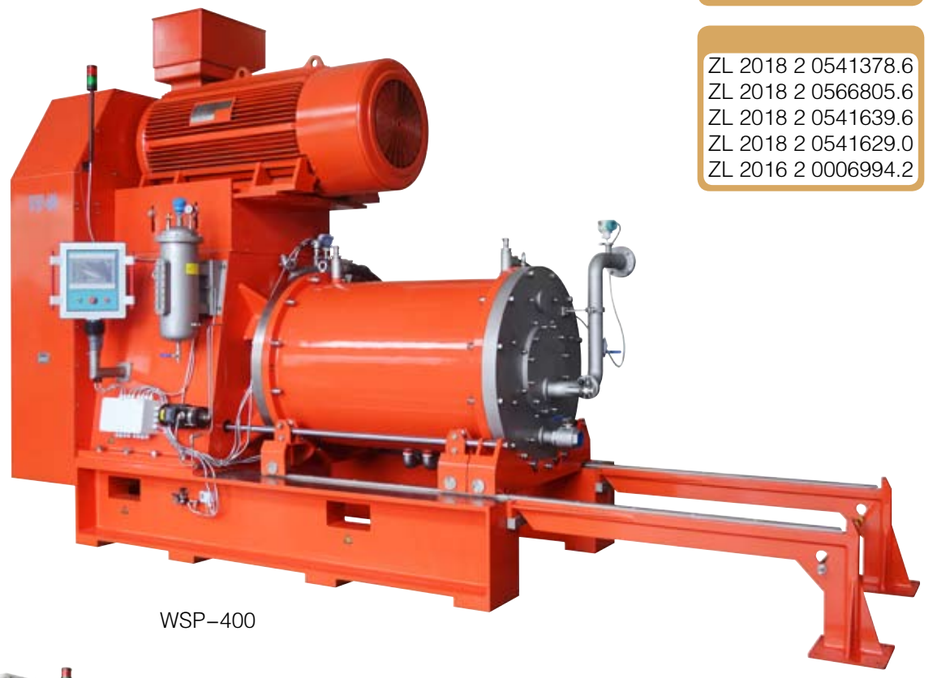
Laboratory and Experimental Equipment 20

WSP

Fast Flow Bead Mill

ZL 2016 1 0005463.6

ZL 2018 2 0541378.6
ZL 2018 2 0566805.6
ZL 2018 2 0541639.6
ZL 2018 2 0541629.0
ZL 2016 2 0006994.2



WSP–400



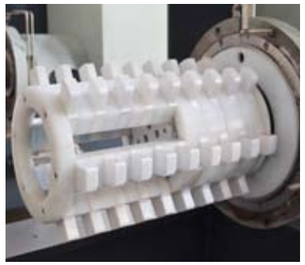
WSP–150

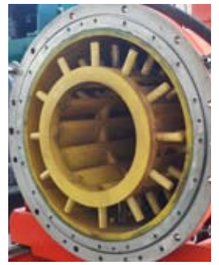


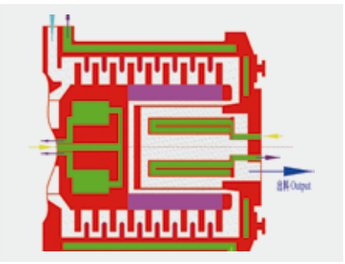
WSP–60

Widely used in Nano New Material

- Battery Industry: cathode materials of the lithium iron phosphate batteries.
- Digital Consumptive Materials: digital jet printing ink.
- Ceramic Materials: alumina oxide, zirconia , silicon carbide.
- Rare-earth Materials: zirconia, indium oxide, cerium oxide, etc.







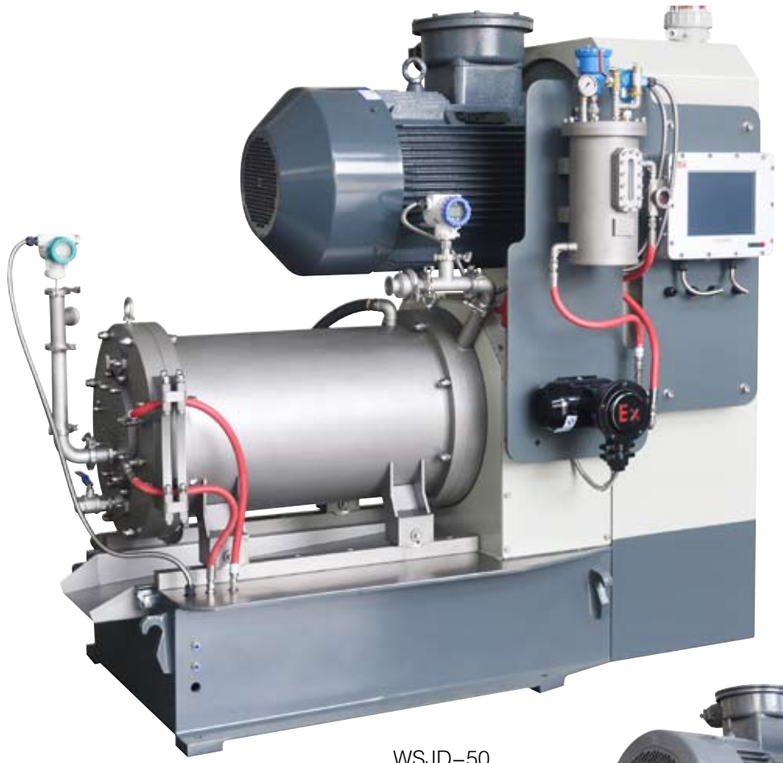
Structure

Special rotor structure design, both the number, size and installation position are designed according to the vortex fluid mechanics to reach the maximum ratio of grinding energy and to improve the grinding efficiency, which make the material reach nano-meter.The fineness could be less than 50nm tested by Malvern.

Model		WSP–0.5	WSP–1	WSP–6	WSP–10	WSP–25	WSP–60	WSP–90	WSP–150	WSP–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 LxWxH (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

WSJD/JE

Pin Type Bead Mill



WSJD–50



WSJE–30

Advantages

- Strong versatility, easy operation, PLC is used for control, analogous drawing and touch screen are available (optional).
- Screen separater below to 0.3mm grinding media, better grinding performance.
- Mechanical sealing and sealing lips are all imported from Germany, which help to crack the hard nut that material tends to leak from the milling chamber in high-viscosity milling operation.

Application

Applicable for automobile paint, steelroll paint, corrosion-proof paint, wood paint, screen printing ink, plastic geavnre ink, textile pigment, color paste for water printing, etc.

Model		WSJD–30	WSJE–30	WSJD–50	WSJE–50	WSJD–100
Volume (L)		28	30	48	50	100
Output (L/h)		300~2000	200~1500	500~3500	400~3000	500~3500
Power (KW)		37~45	22~30	55~75	30~37	75~90
Abrasive medium (mm)		0.3~2.0	0.3~2.0	0.3~2.0	0.3~2.0	0.8~6.0
Cooling water (m^3/h)		3	2.5	4	3.5	5
Overall dimensions LxWxH (mm)	Length	1900	1800	1700	2000	2800
	Width	950	800	1300	850	1500
	Height	1850	1600	1970	1700	2500
Weight (kg)		2300	1800	2400	2100	7000

WSD

Fast Flow Sand Mill

Advantages

- 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



WSD–100



WSD–1200

Patent of Invention
ZL 2012 1 0318480.7
ZL 2013 1 0122399.6



WSD–300

ZL 2016 2 1035594.0
ZL 2016 2 1011230.9
ZL 2012 2 0443160.X
ZL 2013 2 0176406.6
ZL 2013 2 0176407.0
ZL 2016 2 1021484.9

Model		WSD–0.5	WSD–30	WSD–50	WSD–100	WSD–300	WSD–1200	WSD–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
D 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
W (kg)		100	1500	2000	2800	7000	12000	16000

WST

Turbo Nano Sand Mill



ZL 2016 2 0998179.9
ZL 2012 2 0441529.3

WST–30



WST–15

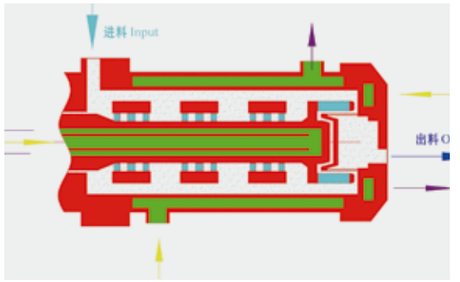


WST–5

Widely used in Nano New Material

- Digital Consumptive Materials: digital jet printing ink.
- Ceramic Materials: alumina oxide, zirconia , silicon carbide.
- Rare-earth Materials: zirconia, indium oxide, cerium oxide, etc.
- Cosmetics: pearl powder.
- Pharmaceutical Preparation.





Turbo disperser structure

High speed of turbo disperser can make axial movement particles switch along the circumference direction to form several particles flow. Compared with the traditional machines, it greatly increase the power for shearing and grinding. The axial pressure difference of turbo disperser has the great spiral force, and makes the particles flow without intense contacting disperser, which can avoid excessive heat consumption created by structure, improve crushing equipment and extend disperser life.

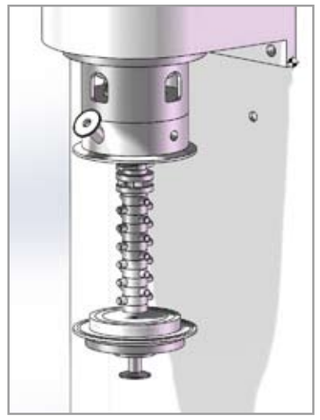
Model		WST–0.5	WST–5	WST–15	WST–30	WST–90
Power (KW)		3~4	11~15	30~37	37~45	55~75
Power (L)		0.4	5	15	30	90
Beads (mm)		0.1~1.2	0.1~1.2	0.3~1.2	0.3~1.2	0.3~1.2
Speed (r/min)		0~3000	0~2500	0~1800	0~1500	0~850
Output (L/h)		1~30	200~450	300~800	500~1200	800~3000
D (mm)	L	800	1250	1550	1800	2300
	W	600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

WHN

Super-fine Bead Mill



New Ceramic Nano Mill



Application

pig

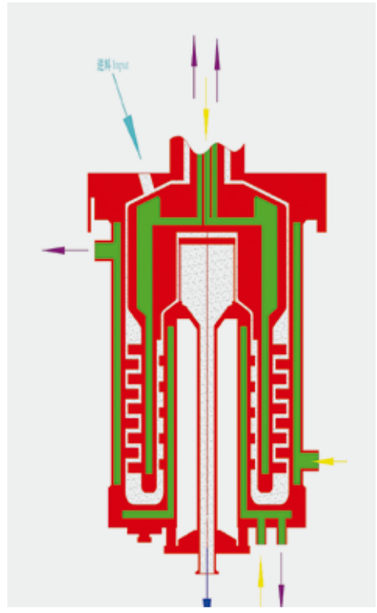
- Silicon Carbon Nano material, Inkjet, TFT material, LCD material, Nano new material, High quality auto paint, Nano size pigment, etc.

Model	WHN0.4	WHN1	WHN2	WHN5	WHN15	WHN30
Main motor power (kw)	5.5	7.5	11	18.5	30	45
Milling chamber volume (L)	0.4	1	2	5	15	30
Beads (mm)	0.03~0.5	0.03~0.5	0.03~0.5	0.03~0.5	0.03~0.5	0.03~0.5
Cooling water (m^3/h)	1	1.5	2.5	3	4	6

WHD

Super-fine Bead Mill





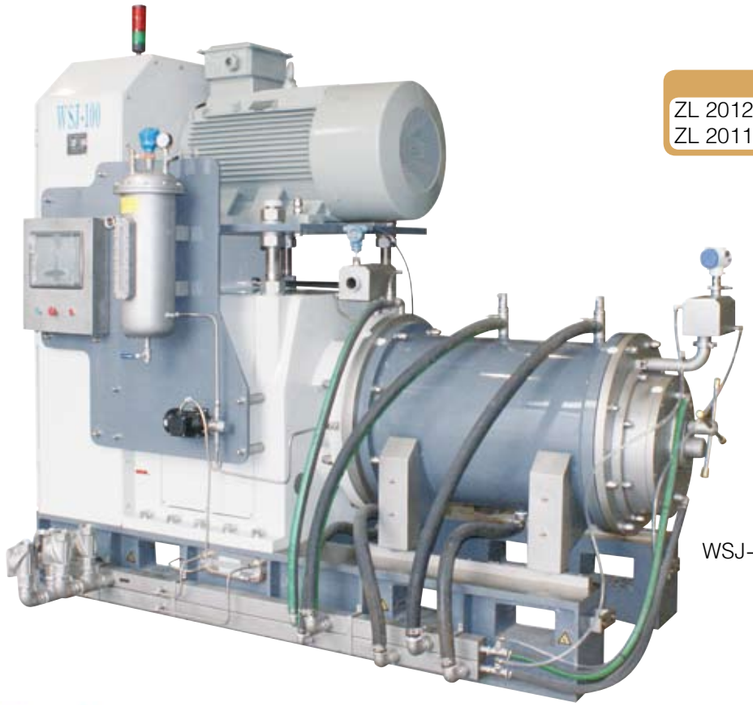
Super Cooling

- Materials can be pre-cooled between the guiding eddy gap.
- Materials can be cooled between the stator and rotator in the outer milling chamber.

Model	WHD12	WHD100	WHD200	WHD400	WHD800
Main motor power (kw)	5.5	22~30	45~55	90~100	250
Milling chamber volume (L)	1.2	11	25	35	80
Beads (mm)	0.1~1.0	0.3~1.2	0.3~1.2	0.3~1.2	0.3~1.2
(L/h) Max. output	300	1200	3000	6000	12000

WSJ

Super Cooling Bead Mill



ZL 2012 3 0484941.9
ZL 2011 2 0264191.4

WSJ–100



WSJ–30



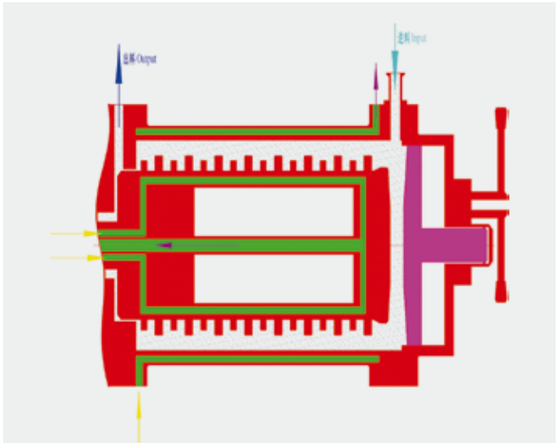
WSJ–50

Advantages

- The adjustable dynamic separator is made of highly wear-resistant hard alloy with the features of self-cleaning and interval- adjusting. The interval can be adjusted to 0.2mm and the abrasive medium less than 0.6mm is chose for the end users to increase the fineness.
- Volume variable pistontype milling chamber changes energy density and barrel pressure to attainbest dispersion and milling results.

Application

Applicable for gravure ink, automobile paint, steelroll paint, corrosion-proof paint, wood paint, screen printing ink, plastic geavnre ink, textile pigment, color paste for water printing, paint and ink for electrical industry, etc.



Model		WSJ–1	WSJ–5	WSJ–20	WSJ–30	WSJ–50	WSJ–100
Volume (L)		1	5	20	30	50	100
Output (L/h)		3~60	5~300	50~600	150~1000	400~1800	500~3500
Power (KW)		5.5	11~15	22	22~30	30~45	75~90
Abrasive medium (mm)		0.6~1.4	0.8~2.0	0.8~2.0	0.8~2.0	0.8~2.0	0.8~6.0
Cooling water (m^3/h)		1	1.5	2	2.5	3.5	5
Overall dimensions LxWxH (mm)	Length	1000	1300	1420	2100	1700	2800
	Width	700	1100	1450	1250	1300	1500
	Height	820	1500	810	1800	1970	2500
Weight (kg)		200	600	1500	2300	2400	7000

WSK

High-Viscosity Superfine Bead Mill

ZL 2011 2 0264775.1
ZL 2008 2 0160769.X
ZL 2008 3 0228045.X



WSK–280



WSK–120



WSK–180

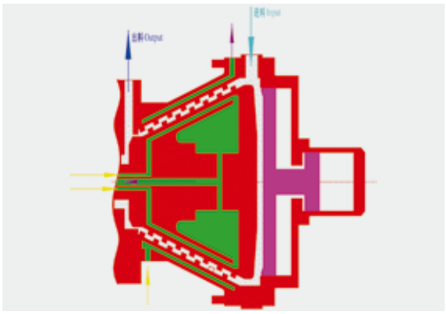
Advantages

- Conic grinding and mixing tank provides the best grinding effect.
- Self-cleaning, high-precision separating ring and grinding media with 0.8~2.5mm are acceptable.
- Grinding area made of special anti-wearing alloy material ensures long service life.
- Internal circulated cooling/heating integrated system suiting temperature-sensitive materials (optional).

Application

Offset printing ink, Screen printing ink, Condensed ink, Ultra-violet printing ink, etc.





Model		WSK–18	WSK–80	WSK–120	WSK–180	WSK–240	WSK–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)	Length	1000	1550	1800	2000	2000	2020
	Width	900	1100	1260	1650	1680	1680
	Height	1300	1600	2200	2500	2500	2550
Outlet height (mm)		900	1100	1400	1500	1500	1540
Machine weight (kg)		600	1200	2200	3000	3300	3800

WSH/WSZ/WSS

Bead Mill



WSS–30



WSZ–14



WSH–30

Introduction

This machine is designed specially for predispersion and fine dispersion of high viscosity material (offset oil ink). It can beused 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.



Advantages

- Tapered milling chamber and trapezoid rotor are specially designed to mill high-viscosity materials. The advanced internal-cooling device is efficient enough to dispel the heat generated during high-viscosity milling in the milling chamber.
- Mechanical sealing and sealing lips are all imported from Germany, which help to crack the hard nut that material tends to leak from the milling chamber in high-viscosity milling operation.
- A magnetic filter with magnetic flux of 8000 gauss, which eliminates foreigh-metal impurities contained in the paste to be milled, ensures product purity as well as equipment safety of the next process.
- Volume variable piston type milling chamber changes energy density and barrel pressure to attain best dispersion and milling results.

Model	WSZ–8	WSZ–14	WSZ–25	WSH–14	WSH–30	WSH–50	WSS–20	WSS–30	WSS–50
power (KW)	30	37	55	30	45	55	15	18.5	30
media (mm)	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
capacity (kg/h)	50~100	70~150	100~180	80~150	100~180	150~350	50~120	60~140	80~180
Volume (L)	8	14	25	14	30	50	20	30	50
air (bar)	2~6	2~6	2~6	2~6	2~6	2~6	2~6	2~6	2~6
Length	1600	1700	1800	1400	1600	1700	1200	1500	1800
Width	1100	1100	1200	700	900	1000	900	900	900
Height	1760	1840	1700	1830	2300	2500	1300	1400	1400
weight (kg)	1500	2000	2800	2700	3000	3500	700	1100	2000

Superfine

Superfine Precise Three Roller Mill



ES120



ES80



DS50

Overview

Longxin Superfine series are high performance three roller mill, which created for hyper precise, narrow particle size distribution. She has an unparalleled reproducibility in nano grinding, which is best choice for Nano new material, Metal paste, Ceramic slurry, Electronics slurry, Cosmetics






Advantages

- Gap mode displays the gap distance value set by user and the actual stress values. (Unit: micron and Newton/ mm)
- Clean mode and reverse function ensure the safety of operation.
- Roller speed and distance can be set as a parameter (under any mode), up to 3,000 groups data.

Application

It is widely used in CNT, High value metal paste, New Ceramic material, Electronics conductive paste,cosmetic,pigment,Solar pasty,etc.

Model	DS50	DS80	ES80	DS120	ES120
Roller diameter (mm)	50	80	80	120	120
Length of roller (mm)	150	200	200	450	450
Ratio of speed	1:2:4	1:3:9	1:3:9	1:3:9	1:3:9
Output (L/h)	0.5~5	2~20	2~20	5~50	5~50
Motor power (KW)	0.12	1.5	1.5	3	3
L	500	675	675	1060	1060
W	400	440	440	920	920
H	400	460	460	1060	1060
Weight (kg)	20	70	70	380	380

DYS

Hydraulic Three Roller Mill

Patent of Invention
ZL 2012 1 0224130.4

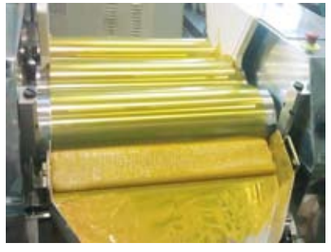


DYS200–600

Application

It is widely used in CNT, High value metal paste, New Ceramic material, Electronics conductive paste, cosmetic, pigment, Solar pasty, etc.





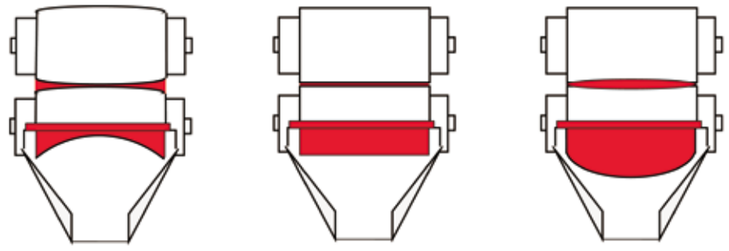


Overview

DYS hydraulic three roller mill is a new one which suit for various viscosity material. The cooling effect of this series of machine is Triple or more than traditional hydraulic three roll mill, it can make the speed of operation higher, and the maximum speed can reach 800 rpm or more, so that this machine can meet the high shear forces, as well as demand for high productivity. The roller is driven by hydraulic system, and the gap adjustment device with high precision can be customized. This machine adopts PLC man-machine interface control system, which can remotely connect with the ERP.

Advantages

- Taiwan hydraulic pressure station, the United States Parker hydraulic joints, Germany BENTELER precision seamless tube ensure the stability of the system;
- The rollers pressure and the rollers gap can be set and controlled, so as to realize the stable and consistent quality.
- No metal contamination type and super-cooling type; (option)



Others　　DYS series　　Others

Model	DYS200–300	DYS200–600
Roller diameter	200mm	200mm
Roller working lenth	300mm	600mm
Speed ratio	1:3:9	1:3:9
Output (L/h)	100~150	200~300
Main motor power	7.5KW/11KW	18.5KW/22KW
Weight of machine	1400kg	1800kg
Overall dimension	1050 × 1300 × 1000	1350 × 1300 × 1000mm

YS/YSS

Hydraulic Three Roller Mill



YS260

Patent of Invention
ZL 2012 1 0222000.7



YS400–1300



YSS400–800
Stainless steel wearing

Overview

Three roller mill 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. It features high automatization content, convenient to operate and safe in use. Because the hydraulic system adapts plate type structure, its arrangement is more reasonable. The roller is cast by special alloy, its strength is high and its surface has high hardness and wear resistance property. It is an ideal equipment to grind high quality paste material.

Applications

All kinds of Ink, Grease, Coating, Pigment, Dye, E-paste, Guar Gum, Soap,etc.







Model		YS260	YS400–800	YS400–1000	YS400–1300
Roller diameter (mm)		260	400	400	400
Length of roller working surface (mm)		650	800	1000	1300
Discharge hole to ground (mm)		650	690	690	690
Output (L/h)		180~250	250~350	300~400	360~450
(r/min) Roll rotating speed	Low speed roll	58	32	32	32
	Middle speed roll	153	128	128	128
	High speed roll	408	400~450	400~450	400~450
Main motor power (KW)		22	37	45	55
Total pressure of hydraulic system (Mpa)		6.3	6.3	6.3	6.3x2
Pressure power (KW)		1.5	1.5	1.5	1.5x2
Machine weight (kg)		2000	4800	5000	5200
Overall dimension LxWxH (mm)		1558x1280x1200	2150x1750x2295	2350x1700x2295	2650x1750x2295
Packing dimension LxWxH (mm)		1800x1400x1700	2300x1900x1900	2600x1900x1900	2800x1900x1900

YSP/YSH

Hydraulic Three Roller Mill



YSP150



YSP400



YSP260



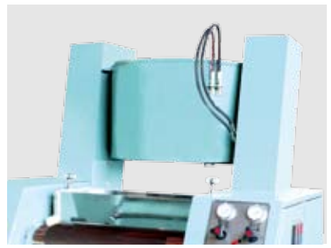
YSH400-1000

Overview

Longxin flat hydraulic three roller mill series will use special grade Alloy steel, which could reach unbelievable hardness. This series will use proportional valve adjusting the roller pressure & gap, thus the whole machine will be more stable, & longer life. This machine could be PLC automatic control(Opt).

Applications

All kinds of oil, electronic paste, plant gum, soap,etc. YSH Three Roller Mill speciallized in grinding & dispersing powder type material like peanut, guar gum,etc.







Model		YSP150	YSP260	YSP400–800	YSP400–900	YSP/YSH400–1000	YSP400–1300
Roller diameter (mm)		150	260	400	400	400	400
Length of roller (mm)		300	650	800	900	1000	1300
Discharge (mm)		620	650	690	690	690	690
Output (L/h)		25~40	180~250	250~350	300~400	300~400	300~400
(r/min) Roll rotating speed	Low roll	26	58	32	32	32	32
	Middle roll	61	153	128	128	128	128
	High roll	141	408	400~450	400~450	400~450	400~450
Main motor power (KW)		3	22	30–37	45	55	55
Total pressure (Mpa)		6.3	6.3	6.3	6.3x2	6.3x2	6.3x2
Pressure power (KW)		0.375	1.5	1.5	1.5x2	1.5x2	1.5x2
Machine weight (kg)		520	2000	3200	5200	5200	5200
Overall LxWxH (mm)		950x950x1080	1558x1280x1200	2050x1360x1500	2550x1750x2295	2650x1750x2295	2650x1750x2295
Packing LxWxH (mm)		1100x1100x1400	1800x1400x1700	2200x1600x1800	2700x1900x1900	2800x1900x1900	2800x1900x1900

SG/S

Three Roller Mill



SG6"



S150



SG9"



S260



SG16"



SM405

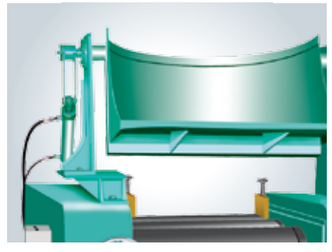
Overview

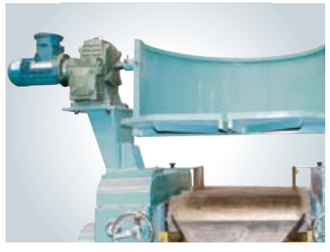
SG series three roller mill is welded by high quality steel plate. The transmission gear adapts oil-immersed type and the operative handwheel is transmitted by gear. It features beautiful appearance, convenient to operate, long life and so on. Particularly it is suitable for grinding the product that has high dispersive viscosity and fine size.

Advantages

Longxin SG series Three Roller Mill machine is a new generation product.

- Chain gears driving, Oil tank gear box, fewer noise, longer life time.
- Hydraulic piston driving, pressure guage.
- SUS304 Stainless steel discharge hopper.







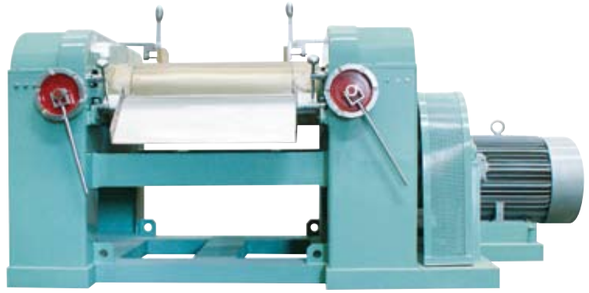
Model		SG6"/S150	SG9"/S260	SG16"/SM405	SG16"L/SM405L
Roller diameter (mm)		150	260	405	405
Length of roller working surface (mm)		300	675	810	1000
Distance from discharge hole to ground (mm)		660	580/530	780/700	780/700
Output (L/h)		25~40	60~80	120~150	130~200
(r/min) Roll rotating speed	Low speed roll	34	23	14	14
	Middle speed roll	78	64	43	43
	High speed roll	181	183	130	130
Main motor power (KW)		2.2~3	7.5	15~18.5	22
Overall dimension LxWxH (mm)		920x880x1150	1690x1330x1300	2150x1795x1600	2350x1750x1600
Machine weight (kg)		500	2000	5300	5800
Packing dimension LxWxH (mm)		1000x1000x1400	1800x1450x1600	2250x1850x1950	2450x1850x2000

SQ/JRS

Three Roller Mill



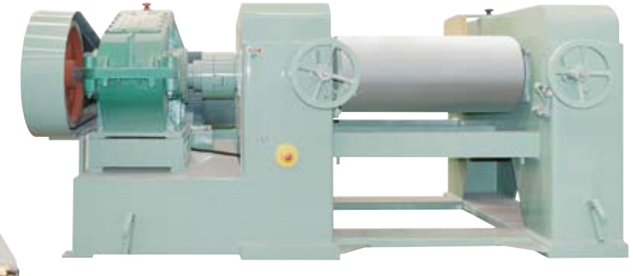
SQ9"



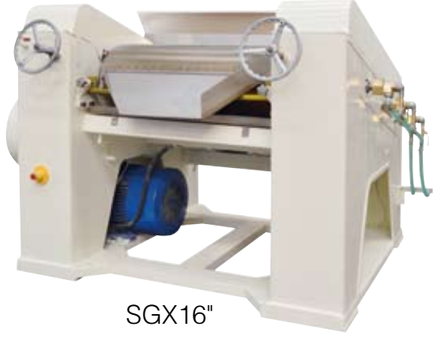
SQ16"



JRS260



JRS405



SGX16"

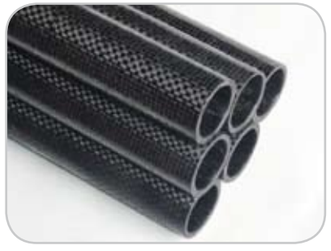
Overview

SQ series three roller mill is welded by high quality steel plate. The transmission gear adapts oil-immersed type and the operative handwheel is transmitted by gear. It features are beautiful appearance, convenient to operate, long life and so on. Particularly it is suitable for grinding the product that has high dispersive viscosity and fine size. JRS series Three Roller Mill machine widely used in pencil leads, colorant, which need very strong force. The machine with a speed reducer gear box.

Applications

Maybe Longxin three roller mill already used in grinding & dispersing Soap, oil, cosmetics, lubrication grease, CSA new material, Carbon fiber,etc.







Model		SQ6" JRS150	SQ9" JRS260	SQ12"	SQ16" JRS405 SGX16"
Roller diameter (mm)		150	230/260	305	400
(mm) Length of roller working surface		300	380/675	514	810
(mm) Distance from discharge hole to ground		660	720	680	730
Output (L/h)		15~30	30~60	60~90	100~140
(r/min) Roll rotating speed	Low speed roll	34	13.4	148	11.5
	Middle speed roll	78	39.4	43.9	21
	High speed roll	181	116.3	129.8	91.9
Main motor power (KW)		3	15	30	55
Overall dimension LxWxH (mm)	L	920	2060	2400	3430
	W	880	1420	1680	2010
	H	1150	1200	1250	1500
Machine weight (kg)		500	2500	4800	6000
Packing dimension LxWxH (mm)	L	1000	2200	2500	3550
	W	1000	1550	1800	2150
	H	1400	1500	1600	1900

LXDPM

Double Planetary Mixer



LXDPM-650





LXDPM-300

Overview

Longxin Double Planetary Mixer are universal mixer ,consist high speed dispersing, rotate, revolution movements,the material inside will be fine mixed in a short time. They widely used in high viscous vulcanization, dispersing, milling, polymerization processing. Our machine have high mixing efficiency without any mixing blind spot & easily discharging.

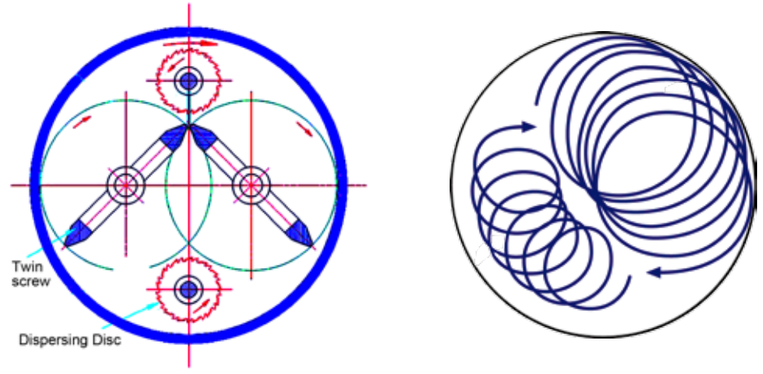


LXYLJ
LJ Series Hydraulic Discharge Machine

Applications

Longxin Double Planetary Mixer are widely used in industries: silicone sealant,PU sealant, machinery sealant, liquid silicone,HTV,RTV,Electronic sealant, ink, pigment, dye, electronic paste, resin, plastic, tooth paste etc.Viscosity range from 10,000cps ~2,000,000cps.

What's Double Planetary Mixer?



Type	Design volume (L)	Feeding volume (L)	Motor Power (KW)	Rotate/Revolution (RPM)	Dispersing (RPM)	Overall L*W*H(mm)
LXDPM–5	7	5	1.5*2	52/106	0~2800	1200*720*1800
LXDPM–60	80	60	5.5+7.5	38/66	0~2300	1800*1100*2300
LXDPM–100	149	100	7.5+11	30/66	0~2300	2174*1430*2264
LXDPM–200	278	200	15+22	28/52	0~2300	2574*1510*2828
LXDPM–300	380	300	22+22	0~40	0~1900	2800*1600*1350
LXDPM–650	808	650	45+55	0~35	0~1500	3950*1850*3700
LXDPM–1500	2000	1500	90+110	0~35	0~1500	4380*2368*4630

LXQLFQ

Multi-function Triple Shaft Mixer



LXQLFQ-6000



LXQLFQ-1000

Overview

This is a Strengthen type Planetary disperser, mainly used in super high viscosity, Super high duty processing. Many improvement based in normal design.

Applications

Silicone Sealant Base, PU sealant, Mechanical Sealant, Electronic Sealant, Resin,etc. Viscosity range from 10,000~8,000,000cps.

Type	Design volume (L)	Feeding volume (L)	Motor power (Kw)	Mixing speed (Rpm)	Dispersing speed (Rpm)	Vacuum
LXQLF–500	500	300	15×3	33	0~1500×2	–0.098Mpa
LXQLF–1000	1000	600	30×3	23	0~980×2	–0.098Mpa
LXQLF–5000	5000	3000	55×3	23	0~980×2	–0.098Mpa
LXQLF–6000	6000	5000	55×3	23	0~980×2	–0.098Mpa

GJD

Emulsifier



Overview

This machine combines both milling and dispersing function. New design with energy saving, high eff eciency, easy operation,easy maintenance, cleaning and changing color.Applicable for independent tank operation and high/low viscosity paste.

Applications

Applicable for coating, ink, pesticide, suspending agent, paper industry emulsification, mixing and dispersing to get uniform material. Good quality is available via powerful high speed shearing in short time.

Type	GJD–1.5	GJD–11	GJD–22	GJD–37
Paste capacity (L)	2~3	100~150	200~500	400~1000
Main motor power (kw)	1.5	11	22	30~37
Main shaft speed (r/min)	0–3000	0–800	0–600	0–500
Range of up and down (mm)	260	800	900	1050
Oil pump power (kw)	–	0.75	1.1	1.5
Weight (kg)	80	1500	2500	2800
Overall size(L ×W ×H (mm)	350x250x700	1860x710x1730	2145x860x1955	2600x920x2100

GFJ

High-Speed Dispersion Machine



Overview

This is a common Pre-mixing & dispersing equipment. The Mixing shaft can be Hydraulic lifting, Disc linear speed can reach 18m/s, Normally Frequency inverter adjusting.

Applications

Widely used in production line of Coating, ink, paint, emulsion, white glue, adhesive, silicone, putty, pigment, etc. This machine usually working with our Three Roller Mill, Sand Mill, Bead Mill, Reactor, etc.

		Model A	Model A	Model A	Model A&B	Model A&B	Model A&B	Model B
Motor power (kw)		1.5	4	5.5–7.5 (11)	22 (30)	37	45–75	90–200
Speed (r/min)		0~1450	0~1450	0~1450	0~1450	0~1200	0~1200	0~1000
Diameter (mm)		150	200	250	350	400	450	600
Lift (mm)		800	800	900	1200	1200~1500	1500~2000	1800~2800
Pump power (kw)		0.55	0.55	0.75	1.5	1.5	2.2	3
Capacity (L)		50	200	400~600	600~1000	1000~2000	1000~2500	5000~8000
Weight (kg)		360	400	800	1500	1700	2100	2600~3000
External Dimensions (mm)	A	1260	1260	1770	2140	2140	2600	2700
	B	1340	1300	1700	2260	2260	2800	3000
	C	600	600	900	1100	1100	1200	1600
	Wide	460	460	580	800	800	1000	1000

LS

Basket Grinding Mill



Overview

This machine combines both milling and dispersing function. New design with energy saving, high eff eciency, easy operation,easy maintenance, cleaning and changing color.Applicable for independent tank operation and high/low viscosity paste.

Applications

Applicable for coating, ink, pesticide, suspending agent, paper industry emulsification, mixing and dispersing to get uniform material. Good quality is available via powerful high speed shearing in short time.

Type	LS–1.5	LS–11	LS–22	LS–37
Paste capacity (L)	2~3	100~150	200~500	400~1000
Main motor power (kw)	1.5	11	22	30~37
Main shaft speed (r/min)	0–3000	0–800	0–600	0–500
Range of up and down (mm)	260	800	900	1050
Oil pump power (kw)	–	0.75	1.1	1.5
Weight (kg)	80	1500	2500	2800
Overall size(L ×W ×H (mm)	350x250x700	1860x710x1730	2145x860x1955	2600x920x2100

JBF

Reactor



Overview

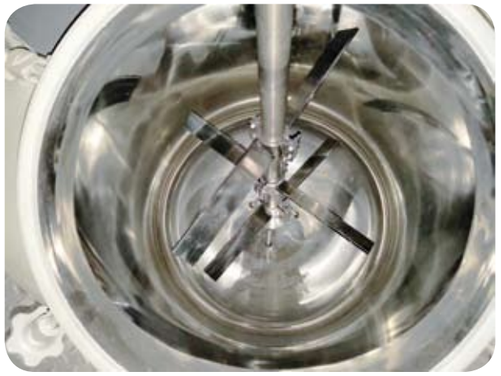
Excellent for coatings, dyes, pigments, paper, adhesives and chemicals. Low volume air intake at the cortex results in evenly dispersed products.

Applications

Suitable for mixing, dissolving and dispersing liquid to liquid and particulate wetting in an enclosed vessel. Minimum solvent loss, and fast powder intake results in high quality dispersions.









Type		JBF0.5m³	JBF1m³	JBF2m³	JBF3m³	JBF4m³	JBF5m³	JBF6m³	JBF10m³
Motor power (kw)		11	15	30	37	45	55	75	110
Speed (r/min)		0–1450	0–1450	0–1450	0–1450	0–1450	0–1450	0–1450	0–1000
Chamber (m³)		0.5	1	2	3	4	5	6	10
Speed controlled		Buncher/Inverter			Inverter Control				
Disc diameter (mm)		250	300	350	380	400	450	500	550
External Dimensions (mm)	D	800	1000	1450	1500	1600	1800	1900	2200
	H	1000	1250	1575	1880	2180	2235	2360	2820
	H1	850	1170	1380	1480	1570	1690	1740	1850



WSP–0.5/WSD–0.5/WST–0.5
WSP-0.5-WSD-0.5-WST-0.5 Lab Nano Sand Mill



DS80
DS80 CNC Three Roller Mill



SST65
SST65 three roller mill



WSK–18
WSK-18 Lab Bead Mill



GFJ–0.4~1.5
GFJ-0.4~1.5 High Speed Disperser/Basket Mill



LXDLH–5L
LXDLH-5L planetary power mixer



WSL6
WSL6 Superfine Pre Grinding mills