

®

龙鑫

国家特种超细粉体工程技术研究中心
National Engineering & Researching Center for Special Ultra-fine Powder

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公司简介

BRIEF INTRODUCTION OF COMPANY

常州市龙鑫化工机械有限公司是高新技术企业、国家特种超细粉体工程技术研究中心、微纳米材料制备工程化与产业化试验基地、中国油墨协会“常务副理事长单位”，通过了Tü V莱茵认证、BV认证、CE认证、ISO9001：2008认证。

公司主要生产“龙鑫”和“化宝”品牌的三辊研磨机、液压三辊研磨机、数控三辊研磨机、珠磨机、纳米陶瓷砂磨机、行星搅拌机等。产品广泛应用于油墨、涂料、电子浆料、农药、动力电池、纳米材料、日化、皮塑、铅笔、食品、颜料、硅橡胶、瓜尔胶等。

公司拥有强大的研发团队，一直引领着所在行业的技术潮流，拥有各项专利技术共计20多项，其中包含发明专利5项，可根据客户的生产需求提供专业的流水线。公司产品大量出口美国、巴西、印度、俄罗斯、日本、韩国、新加坡、东南亚等国家和地区，深受各界用户好评。

公司坚持以“质量第一、服务优质、用户满意”为原则，竭诚欢迎国内外各界人士携手合作，共创行业光辉灿烂的美好明天！

Changzhou Longxin Machinery Co.,Ltd owns various honorary status, including high-tech enterprise, national special ultra-fine powder technology researching center,micro-nano material preparation engineered and industrialized testing site, and vice chairman unit of Chinese Ink Association.Longxin machines are with certifications of Tü V, BV, CE, and ISO9001:2008.

Our factory mainly produces "Longxin" & "Huabao" brand machines of manual three roll mill,hydraulic three roll mill,computer CNC three roll mill,bead mill,nano ceramic sand mill,planetary mixer etc. Our machines are widely used in ink, coating, electronic paste, pesticide, power battery,nano material,daily chemical, leather plastic, pencil, food, dye, silicone rubber, and guar gum etc.

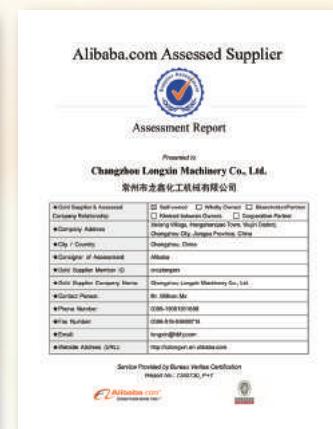
Our company who shares world advanced technology of grinding and dispersion technology with you owns a professional R&D team and is always the leader of innovation and revolution in this industry .We obtain more than 20 items of patent certificates, including 5 items of invitation patents.We can provide professional assembly line according to the customers' requirement of production . Our products are exported to United States, Brazil, India, Russia, Japan, Korea, Singapore, southeast Asia and other countries and regions,and enjoy high reputation from all walks of life.

Our consistent principle is “Quality First, Excellent Service, Customers Satisfaction” . Sincerely welcome friends both at home and abroad to cooperate with us and create a bright future of chemical industry together!



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近年来，我公司为国内外很多涂料企业、油墨企业、密封胶企业、非矿加工企业提供了数万台套工艺生产设备。过硬的质量、合理的价格、优质的服务，使我公司得到了用户的一致好评。大多在国内外市场上具有一定影响力的客户，都已向我公司订购了主要的生产设备。我公司产品已远销到美国、西班牙、巴西、瑞士、英国、俄罗斯、埃及、纳米比亚、突尼斯、日本、韩国、黎巴嫩、马来西亚、印尼、新加坡、越南、约旦、阿联酋等国家和地区。

In recent years, our company has supplied more than 10000 sets of equipment to the customers in the industries of coating, ink, sealant and non – metallic mineral processing all over the world. Good performance and high quality, reasonable prices, high quality service have enjoyed high reputation among the users. All customers having good market at home and abroad have ordered the equipment from us. Large quantity of products are exported to the United States, Spain, Russia, Egypt, Namibia, Tunis, Japan, South Korea, Lebanon, Malaysia, Indonesia, Singapore, Vietnam, Jordan, United Arab Emirates and other countries and regions.

CATALOGUE

三辊研磨机系列 Three Roller Mill Series

Superfine精密三辊研磨机系列 Superfine Precise Three Roller Mill.....	01
DYS液压三辊研磨机系列 DYS Series Hydraulic Three Roller Mill.....	05
YS/YSS液压三辊研磨机系列 YS/YSS Series Hydraulic Three Roller Mill.....	07
YSP/YSH液压三辊研磨机系列 YSP/YSH Series Hydraulic Three Roller Mill.....	09
SG/S三辊研磨机系列 SG/S Series Three Roller Mill.....	11
SQ/JRS三辊研磨机系列 SQ/JRS Series Three Roller Mill.....	13
TYS液压二辊研磨机系列 TYS Series Hydraulic Two Roller Mill.....	15
FYS液压五辊研磨机系列 FYS Series Hydraulic Five Roller Mill.....	16

珠磨机系列 Bead Mill Series

WSP大流量纳米珠磨机系列 WSP Series Fast Flow Bead Mill.....	17
WST涡轮式纳米砂磨机系列 WST Series Turbo Nano Sand Mill.....	19
WHD超精细珠磨机系列 WHD Series Super-fine Bead Mill.....	21
WSJ内冷却卧式全能珠磨机系列 WSJ Series Horizontal Internal-cooling Full Function Bead Mill.....	23
WSD大流量砂磨机系列 WSD Series Fast Flow Sand Mill.....	25
WSV内冷却立式双锥珠磨机系列 WSV Series Vertical Internal-cooling Bipyramid Bead Mill.....	27
WSS卧式砂磨机系列 WSS Series Horizontal Sand Mill.....	28
WSK高粘度超细全能珠磨机系列 WSK High-Viscosity Superfine Versatile Bead Mill.....	29
WSH内冷却高粘度立式珠磨机系列 WSH Series High-Viscosity Vertical Bead Mill.....	31
WSZ内冷却高粘度卧式珠磨机系列 WSZ Series High-Viscosity Horizontal Bead Mill.....	32

LHX均质乳化泵系列 LHX Series Homogeneous Emulsion Pump.....33

高粘度搅拌机系列 High Viscosity Mixer Series

LXQLF多功能强力分散机系列 LXQLF Series Multi-function Triple Shaft Mixer.....	34
LXQLFG加强型多功能强力分散机系列 LXQLFG Series Multi-function Triple Shaft Mixer.....	35
LXXJB行星搅拌机系列 LXXJB Series Planetary Mixer.....	36
LXDLH行星动力混合机系列 LXDLH Series Planetary Power Mixer.....	37

低粘度搅拌机系列 Low Viscosity Mixer Series

GJF高速分散机系列 GFJ Series High-Speed Dispersion Machine.....	38
DSJ/SZJ蝶式搅拌机 DSJ/SZJ Butterfly Mixer.....	39
JBF搅拌釜 JBF Reactor.....	40
LS篮式砂磨机 LS Serial Basket Grinding Mill.....	41
GJD高速乳化机 GJD Serial Emulsifier.....	42

实验用设备系列 Experimental Equipment Series

实验用纳米砂磨机、分散机系列 Lab scale Nano sand mill, Disperser.....	43
实验用三辊机、行星搅拌机、捏合机系列 Lab scale Three roller mill, Planetary mixer, Kneader....	45

配置及参数 Configuration & Parameters

可选配置 Optional Configuration.....	47
常用参数对照表 Universal Parameters Table.....	48

Superfine 精密三辊研磨机系列

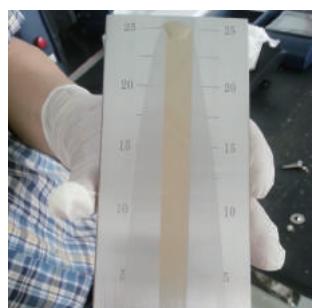
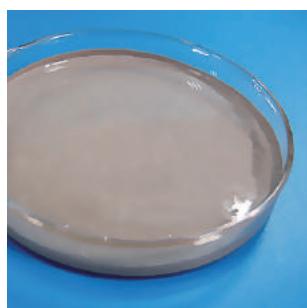
Superfine Precise Three Roller Mill



概述 Overview

龙鑫Superfine系列是专门为超高精度和更窄粒径分布要求而精心打造的高端三辊研磨机。她有传统三辊研磨机无法比拟的再现性能，特别适用于纳米新材料、贵金属浆料、功能陶瓷材料、电子材料、化妆品等行业。

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



特点 Character

- 间距模式，显示用户设定间距与实际受力数值。(单位：微米)
- 清洗模式及反转功能，确保了操作的安全性。
- 辊子速度和间距均可作为参数设定(任意模式)，存储参数可达3000种。
- 西门子PLC控制，操作直观简便。
- 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.
- Siemens PLC control brings easy and visual operation



ES80

应用 Application

广泛应用于纳米碳管、贵金属浆料、功能陶瓷浆料、电子浆料、化妆品、药膏、颜料、太阳能光电材料等。

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



型号 Model	Superfine ES50	Superfine ES80	Superfine ES120
辊筒直径 Roller diameter (mm)	50	80	120
辊筒长度 Length of roller (mm)	150	200	450
转速比 Ratio of speed	1:3:9	1:3:9	1:3:9
流量 Output (L/h)	0.5~5	2~20	5~50
电机功率 Motor power (kW)	0.75	1.5	3
外型尺寸 Overall dimension LxWxH (mm)	长 L	500	675
	宽 W	400	440
	高 H	400	460
重量 Weight (kg)	50	70	380

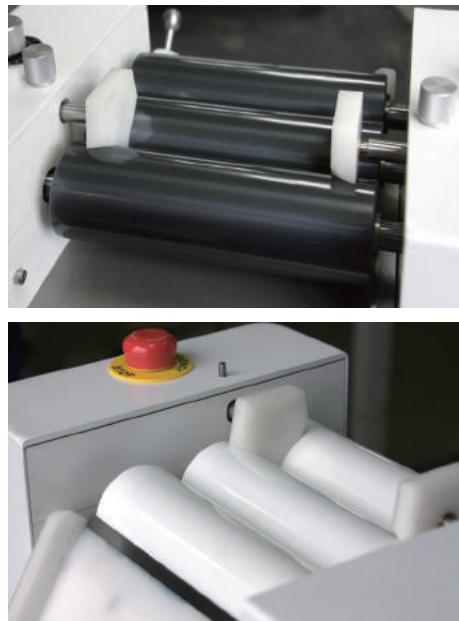
规格配置表 Configuration table	
● 标配 Standard ○ 可选 Optional	
防爆 Explosion-proof	<input type="radio"/>
辊筒材质 Material of roller	氧化铝 Al_2O_3 <input type="radio"/>
	氧化锆 ZrO_2 <input checked="" type="radio"/>
	碳化硅 SiC <input type="radio"/>
	特级合金钢 Superior Alloy <input type="radio"/>
	镀铬 Chromeplate <input type="radio"/>
出料刀片材质 Material of blade	氧化铝 Al_2O_3 <input type="radio"/>
	氧化锆 ZrO_2 <input type="radio"/>
	不锈钢 Stainless steel <input type="radio"/>
	合金钢 Alloy <input checked="" type="radio"/>
	镀铬 Chromeplate <input type="radio"/>
料缸 Chamber	<input type="radio"/>
变频调速 Inverter control	<input type="radio"/>
料位传感器 Level sensor	<input type="radio"/>
控制面板 Control-panel	<input type="radio"/>
PLC (Programmable Logic Controller)	<input type="radio"/>

Superfine 精密三辊研磨机系列

Superfine Precise Three Roller Mill



DS50



概述 Overview

龙鑫Superfine系列DS型是为实现精准分散控制及生产精细微粒的制造商专业设计的机械设备，它为客户提供了卓有成效并极为精确的减小粒径及分散的手段，具有显著的再现性。对于产品研发，小规模生产以及小型生产线的建立，DS型精细三辊研磨机能提供灵活、精确的控制以满足您的要求，过程参数为扩大再生产提供严密的技术依据。

Longxin Superfine series DS type is designed for manufacturers who wanna achieve accurate dispersion control and production of fine particles. It supply customers effective and extremely accurate means of reducing particle size and dispersion, with significant reproducibility. As far as product R&D, small scale production and the establishment of small production lines, DS type three Roller Mill can provide flexible, precise control to meet your requirements, and process parameters will provide a rigorous technical basis for the expansion of reproduction.





特点 Character

- 间噪声小，寿命长。
- 西门子PLC控制，操作直观简便。
- 手动调节辊筒之间间隙。

- Low noise, long service life.
- Siemens PLC control brings easy and visual operation.
- Adopting manual gap adjusting.

应用 Application

广泛应用于油墨、颜料、化妆品及纳米颗粒材料在电子浆料中的分散，以及贵金属浆料、功能陶瓷浆料、药膏、太阳能光电材料等。

It is widely used in ink, coating, cosmetics, dispersing of nano particle material in electronic paste, and high value metal paste, new ceramic material, solar paste, etc.

规格配置表 Configuration table		
● 标配 Standard ○ 可选 Optional		
	防爆 Explosion-proof	○
辊筒材质 Material of roller	氧化铝 Al_2O_3	○
	氧化锆 ZrO_2	●
	碳化硅 SiC	○
	特级合金钢 Superior Alloy	○
	镀铬 Chromeplate	○
出料刀片材质 Material of blade	氧化铝 Al_2O_3	○
	氧化锆 ZrO_2	○
	不锈钢 Stainless steel	○
	合金钢 Alloy	●
	镀铬 Chromeplate	○
料位传感器 Level sensor		○

型号 Model	Superfine DS50	Superfine DS80	Superfine DS120
辊筒直径 Roller diameter (mm)	50	80	120
辊筒长度 Length of roller (mm)	150/160	200	450
转速比 Ratio of speed	1:2:4	1:3:9	1:3:9
流量 Output (L/h)	0.5~5	2~20	5~50
电机功率 Motor power (KW)	0.12	1.5	3
外型尺寸 Overall dimension LxWxH (mm)	390x250x280	720x550x550	1060x810x1060
重量 Weight (kg)	23	75	380

DYS 液压三辊研磨机系列

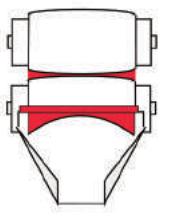
DYS Series Hydraulic Three Roller Mill



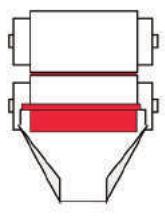
DYS200-600



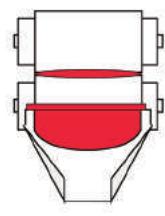
发明专利 Patent of Invention: ZL 2012 1 0224130.4



Others



DYS series



Others

应用 Application

广泛应用于研磨纳米碳管、贵金属浆料、功能陶瓷浆料、电子浆料、化妆品、药膏、颜料、太阳能光电材料等。

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

概述 Overview

DYS液压三辊研磨机是我公司设计的一款适用于各种粘度物料的三辊机。该系列的冷却效果为传统液压三辊研磨机的3倍以上，可以使研磨辊以更高的速度运行，最高转速可以达到600rpm转以上，以满足客户对高剪切力，以及高生产力的需求。辊筒的动作是通过液压系统驱动，并且客户可根据自身需要为机器定制高精度的间隙微调装置。该系列三辊机采用PLC人机界面控制，可以远程与ERP连接。

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.

特点 Character

- 台湾产液压站、美国Parker液压接头、德国BENTELER精密无缝管保证了系统的稳定性；
- 德国西门子PLC系统让产品控制更加精准（选项）；
- 可控制辊筒压力和辊筒缝隙，从而实现稳定、可再现的产品质量；
- 采用手动间隙调整方式生产的产品可在低辊筒压力范围内加工而不受人为影响；
- 无金属污染型和超强冷却型；（选项）
- 多重安全监测和保护系统。
- Taiwan hydraulic pressure station, the United States Parker hydraulic joints, Germany BENTELER precision seamless tube ensure the stability of the system;
- Germany Siemens PLC system makes the product more accurately to be controlled (optional);
- The rollers pressure and the rollers gap can be set and controlled, so as to realize the stable and consistent quality.
- Adopting manual gap adjusting makes the machine produce without human influenced in low pressure.
- No metal contamination type and super-cooling type; (option)
- Multiple safety monitoring and protection systems.

规格配置表 Configuration table	
● 标配 Standard ○ 可选 Optional	
防爆 Explosion-proof	<input type="radio"/>
辊筒材质 Material of roller	碳化硅 SiC
	<input checked="" type="radio"/> 合金钢 Alloy
机架材质 Material of body frame	不锈钢 Stainless steel
	<input checked="" type="radio"/> 碳钢 Carbon steel
料缸 Chamber	<input type="radio"/>
变频调速 Inverter control	<input type="radio"/>
料位传感器 Level sensor	<input type="radio"/>
液压系统 Hydraulic	<input checked="" type="radio"/>
控制面板 Control-panel	<input type="radio"/>
PLC	<input type="radio"/>

型号 Model	DYS200-300	DYS200-600
轧辊直径 Roller diameter	200mm	200mm
轧辊工作面长度 Roller working lenth	300mm	600mm
转速比 Speed ratio	1:3:9	1:3:9
流量 Output (L/h)	100~150	200~300
主电动机功率 Main motor power	7.5KW/11KW	18.5KW/22KW
整机重量 Weight of machine	1400kg	1800kg
外形尺寸 Overall dimension	1050×1300×1000	1350×1300×1000mm

YS/YSS 液压三辊研磨机系列

YS/YSS Series Hydraulic Three Roller Mill



YS260



YS400-1300

发明专利
Patent of Invention
ZL 2012 1 0222000.7



YSS400-800
Stainless steel wearing



概述 Overview

本机通过紧密齿轮泵产生的液压来控制三辊研磨机。机器的基本工作，例如进料、出料以及物料的细度调节，都是通过液压来控制的，具有自动化程度高、操作方便、使用安全的特点；液压系统采用板式结构，使之布局更合理。本机辊筒采用专用特殊合金材料浇铸，强度高，表面硬度大和耐磨性好，是研磨高档膏状物料的理想设备。

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.

应用 Applications

适用于研磨各种油墨、油脂、涂料、颜料、色浆、电子浆料、植物胶、肥皂等。

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

规格配置表 Configuration table

● 标配 Standard ○ 可选 Optional

防爆 Explosion-proof	<input type="radio"/>
机架材质 Material of body frame	不锈钢 Stainless steel <input type="radio"/>
	碳钢 Carbon steel <input checked="" type="radio"/>
倒料装置 Topple over device	<input type="radio"/>
料缸 Chamber	<input type="radio"/>
变频调速 Inverter control	<input type="radio"/>
料位传感器 Level sensor	<input type="radio"/>
液压系统 Hydraulic	<input checked="" type="radio"/>
控制面板 Control-panel	<input type="radio"/>
PLC	<input type="radio"/>

型号 Model	YS260	YS400-800	YS400-1300
辊筒直径 Roller diameter (mm)	260	400	400
辊筒工作面长度 Length of roller working surface (mm)	650	800	1300
出料口距地高度 Distance from discharge hole to ground (mm)	650	690	690
流量 Output (L/h)	180~250	250~350	360~450
辊筒转速 (r/min) Roll rotating speed	慢辊 Low speed roll	58	32
	中辊 Medium speed roll	153	128
	快辊 High speed roll	408	400~450
主电机功率 Main motor power (KW)	22	45	55
液压系统总压力 Total pressure of hydraulic system (Mpa)	6.3	6.3	6.3x2
液压动力 Pressure power (KW)	1.5	1.5	1.5x2
整机重量 Machine weight (kg)	2000	4800	5200
外型尺寸 Overall dimension LxWxH (mm)	1558x1280x1200	2150x1750x2295	2650x1750x2295
包装尺寸 Packing dimension LxWxH (mm)	1800x1400x1700	2300x1900x1900	2800x1900x1900

YSP/YSH 液压三辊研磨机系列

YSP/YSH Series Hydraulic Three Roller Mill



YSP150



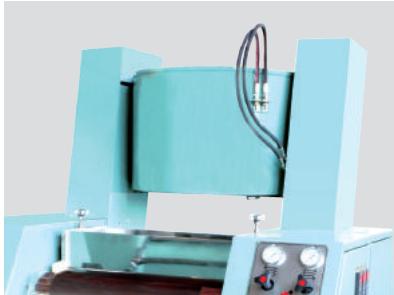
YSP400



YSP260



YSH400-1000



概述 Overview

龙鑫平液压三辊研磨机的辊筒采用独特的合金材料浇铸，具有极高的硬度。该系列采用比例阀调节辊筒间的压力与间距，提高了整机的稳定性，增加了设备的使用寿命。该设备可以采用西门子PLC自动控制辊筒压力、转速与温度(选项)。

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).

应用 Applications

适用于研磨各种油脂、电子浆料、植物胶、肥皂等，同时YSH三辊机对研磨花生仁、瓜尔胶等粉体状的材料更具针对性等。

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

规格配置表 Configuration table

● 标配 Standard ○ 可选 Optional

防爆 Explosion-proof	<input type="radio"/>
机架材质 Material of body frame	不锈钢 Stainless steel <input type="radio"/>
	碳钢 Carbon steel <input checked="" type="radio"/>
倒料装置 Topple over device	<input type="radio"/>
料缸 Chamber	<input type="radio"/>
变频调速 Inverter control	<input type="radio"/>
料位传感器 Level sensor	<input type="radio"/>
液压系统 Hydraulic	<input checked="" type="radio"/>
控制面板 Control-panel	<input type="radio"/>
PLC	<input type="radio"/>

型号 Model	YSP150	YSP260	YSP400~800	YSP/YSH400~1000
辊筒直径 Roller diameter (mm)	150	260	315	400
辊筒工作面长度 Length of roller working surface (mm)	300	650	900	1000
出料口距地高度 Distance from discharge hole to ground (mm)	620	650	690	690
流量 Output (L/h)	25~40	180~250	250~350	300~400
辊筒转速 (r/min) Roll rotating speed	慢辊 Low speed roll	26	58	51
	中辊 Medium speed roll	61	153	154
	快辊 High speed roll	141	408	460
主电机功率 Main motor power (KW)	3	22	30~37	55
液压系统总压力 Total pressure of hydraulic system (Mpa)	6.3	6.3	6.3	6.3x2
液压动力 Pressure power (KW)	0.375	1.5	1.5	1.5x2
整机重量 Machine weight (kg)	520	2000	3200	5200
外型尺寸 Overall dimension LxWxH (mm)	950x950x1080	1558x1280x1200	2050x1360x1500	2650x1750x2295
包装尺寸 Packing dimension LxWxH (mm)	1100x1100x1400	1800x1400x1700	2200x1600x1800	2800x1900x1900

SG/S 三辊研磨机系列

SG/S Series Three Roller Mill

三辊研磨机系列 Three Roller Mill Series



SG6"



S150



SG9"



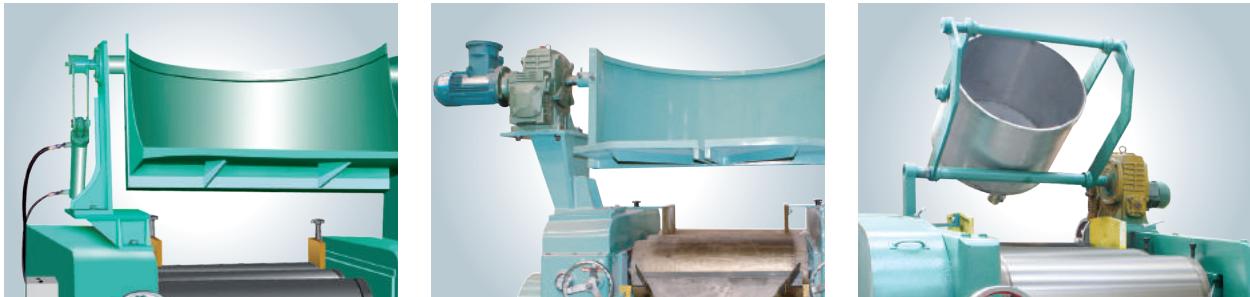
S260



SG16"



SM405



概述 Overview

SG系列三辊研磨机，整机采用优质钢板焊接，传动齿轮采用油浸式，操纵手轮采用齿轮传动，使该机具有外形美观、操作方便、使用寿命长等特点，特别适用于研磨与分散粘度高、颗粒度要求细的产品。

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.

特点 Character

SG系列三辊机是龙鑫独家引进日本技术设计制造的改进型三辊研磨机，与传统三辊研磨机相比主要优点有：

- 链条轮传动，油浸式齿轮箱，噪声小，寿命长。
- 液压油缸驱动，油表显示辊筒间压力，
- 出料斗为不锈钢材质。

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.

规格配置表 Configuration table		
● 标配 Standard ○ 可选 Optional		
辊筒材质 Material of roller	合金钢 Alloy	●
	花岗岩 Granite	○
机架材质 Material of body frame	不锈钢 Stainless steel	○
	碳钢 Carbon steel	●
间隙调整 Adopting gap adjusting		●
倒料装置 Topple over device		○
料缸 Chamber		○
压力显示 Pressure display		●
液压系统 Hydraulic system		○

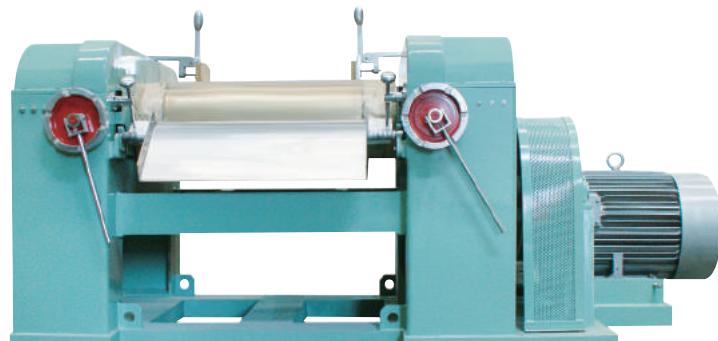
型号 Model	SG6"/S150	SG9"/S260	SG16"/SM405	SG16"/L/SM405L
辊筒直径 Roller diameter (mm)	150	260	405	405
辊筒工作面长度 Length of roller working surface (mm)	300	675	810	1000
出料口距地高度 Distance from discharge hole to ground (mm)	660	580/530	780/700	780/700
流量 Output (L/h)	25~40	60~80	120~150	130~200
辊筒转速 (r/min) Roll rotating speed	慢辊 Low speed roll	34	23	14
	中辊 Medium speed roll	78	64	43
	快辊 High speed roll	181	183	130
主电机功率 Main motor power (KW)	2.2~3	7.5	15~18.5	22
外型尺寸 Overall dimension LxWxH (mm)	920x880x1150	1690x1330x1300	2150x1795x1600	2350x1750x1600
整机重量 Machine weight (kg)	500	2000	5300	5800
包装尺寸 Packing dimension LxWxH (mm)	1000x1000x1400	1800x1450x1600	2250x1850x1950	2450x1850x2000

SQ/JRS 三辊研磨机系列

SQ/JRS Series Three Roller Mill



SQ9"



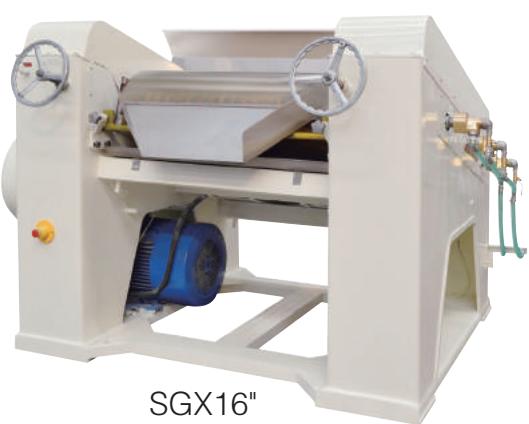
SQ16"



JRS260



JRS405



SGX16"

概述 Overview

S Q系列三辊研磨机，整机采用优质钢板焊接，传动齿轮采用油浸式，操纵手轮采用齿轮传动，使该机具有外形美观、操作方便、使用寿命长等特点，特别适用于研磨与分散粘度高、颗粒度要求细的产品。

JRS 系列三辊研磨机主要适用于铅笔芯，色母料等行业，该机器带有减速机，强度非常大。

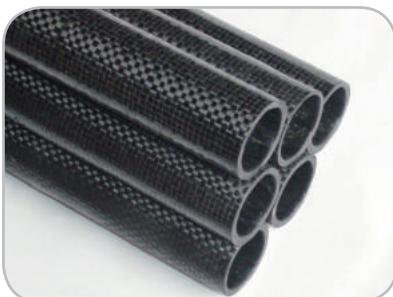
SQ series three roller mill is welded by high quality steel plate. The transmission gear adapts oil-immersed type and the operative handwheel is transmitted by gear. It features are beautiful appearance, convenient to operate, long life and so on. Particularly it is suitable for grinding the product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

应用 Applications

适用于研磨肥皂，香皂，食用油，化妆品，润滑脂，航天新材料，碳纤维等。

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



型号 Model	SQ6" JRS150	SQ9" JRS260	SQ12" JRS405	SQ16" SGX16"
辊筒直径 Roller diameter (mm)	150	230/260	305	400
辊筒工作面长度 (mm) Length of roller working surface	300	380/675	514	810
出料口距地高度 (mm) Distance from discharge hole to ground	660	720	680	730
流量 Output (L/h)	15~30	30~60	60~90	100~140
辊筒转速 (r/min) Roll rotating speed	慢辊 Low speed roll	34	13.4	148
	中辊 Medium speed roll	78	39.4	43.9
	快辊 High speed roll	181	116.3	129.8
主电机功率 Main motor power (KW)	3	15	30	55
外型尺寸 Overall dimension LxWxH (mm)	长 L	920	2060	2400
	宽 W	880	1420	1680
	高 H	1150	1200	1250
整机重量 Machine weight (kg)	500	2500	4800	6000
包装尺寸 Packing dimension LxWxH (mm)	长 L	1000	2200	2500
	宽 W	1000	1550	1800
	高 H	1400	1500	1600

规格配置表 Configuration table		
<input checked="" type="radio"/> 标配 Standard <input type="radio"/> 可选 Optional		
机架材质 Material of body frame	不锈钢 Stainless steel	<input type="radio"/>
	碳钢 Carbon steel	<input checked="" type="radio"/>
间隙调整 Adopting gap adjusting		<input checked="" type="radio"/>
倒料装置 Topple over device		<input type="radio"/>
料缸 Chamber		<input type="radio"/>
变频调速 Inverter control		<input type="radio"/>

TYS 液压二辊研磨机系列

TYS Series Hydraulic Two Roller Mill



TYS1300

概述 Overview

本机是用于原始粒径较大的物料分散以及为后续工序调整进料细度所专门设计制造的设备，广泛应用于各种物料的分散及预分散，例如食品、巧克力、肥皂、制药等行业。

It is designed specially for dispersing rough material and adjusting material for next procedure. It is wide used for dispersing and predispersing all kinds of materials such as foodstuff, chocolate, soap and pharmaceutical, etc.

型号 Model		TYS900	TYS1300	TYS1800
辊筒直径 Roller diameter (mm)		400	400	400
辊筒工作面长度 Length of roller working surface (mm)		900	1300	1800
辊筒转速 (r/min) Roll rotating speed	快辊 High speed roll	258	258	258
	慢辊 Low speed roll	118	118	118
电机功率 Motor power (KW)		45	55	75
产量 Output 80~150um (kg/h)		2500~4500	3500~6500	5500~8500
液压系统总压力 Total pressure of hydraulic system (Mpa)		6.3	6.3	6.3
液压动力 Power of hydraulic pressure (KW)		1.5	1.5	1.5
整机重量 Machine weight (kg)		4500	5000	5800
外形尺寸 Overall dimension LxWxH (mm)		2478x2780x3218	2878x2850x3218	3378x2880x3218

FYS 液压五辊研磨机系列

FYS Series Hydraulic Five Roller Mill

概述 Overview

FYS液压五辊研磨机是我公司最新设计的用于浆料精炼、分散、研磨的机械设备。在第一二个辊筒间喂料，依次经过其它辊筒并在第五个辊筒处出料。采用倾斜式的辊筒排列方式，使机器内部拥有更多的空间。辊筒之间的液压系统沿用我公司最成熟的“浮动辊”系统。客户可定制PLC触摸屏提升设备的自动化水平，并且将各种数据、配方存储。常规工艺需要三辊机多遍研磨的物料，通过我公司五辊研磨机可以迅速达到理想的效果，提高生产效率。

FYS hydraulic five roll mill is our latest design equipment for pulp refining, dispersion and grinding. Materials are fed between the first and second roll and discharged from the fifth roll after passing several rolls. Tilting arrangement of the rolls make the machine have more internal space. Hydraulic system of the rolls adopt "floating roller system" which is a quite mature technology of our company. Customized PLC touch screen promotes the automation level of equipment, and also the data, formula can be stored as parameters.



应用 Applications

广泛应用于研磨巧克力，花生酱，灵芝孢子粉，夹心饼干，瓜尔胶，肥皂，医药等。

It is widely used in the production of chocolate, peanut butter, GLS, biscuit, guar gum, soap, medicine etc. Five roll mill works excellent in grinding efficiency if the material needs several pass grinding.

特点 Features

- 无法比拟的液压系统保证了系统的稳定性
- 西门子PLC系统让产品控制更加精准(选项)
- 超强冷却和自动化温度控制(选项)
- 多重安全监测和保护系统
- Advanced hydraulic system ensures the stability of the system;
- Siemens PLC system makes product control more accurate (optional);
- Super cooling system and automatic temperature control (optional);
- Multiple systems of safety monitoring and protection.

型号 Model	FYS400-1300
辊筒直径 Roller diameter (mm)	400
辊筒工作面长度 Length of roller working surface (mm)	1300
快辊转速 Fast roll speed (r/min)	400
电机功率 Motor power (KW)	75~90
产量 Output 80~150um (kg/h)	800~1500
液压系统总压力 Total pressure of hydraulic system (Mpa)	6.3
液压动力 Power of hydraulic pressure (KW)	1.5
整机重量 Machine weight (kg)	6500
外形尺寸 Overall dimension LxWxH (mm)	2800x1400x2600

WSP大流量纳米珠磨机系列

WSP Series Fast Flow Bead Mill

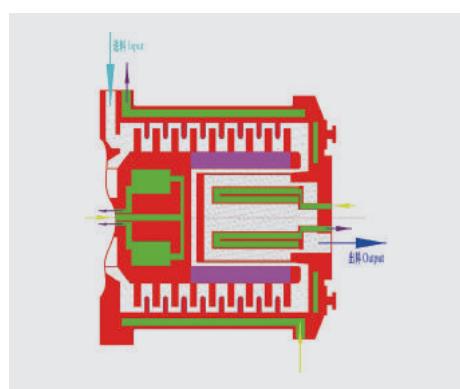
珠磨机系列 Bead Mill Series



WSP-400



WSP-150



工作原理 Working principle

物料随着进料泵由顶端进入研磨腔，随着转子的旋转而均匀分布，在转子和定子缝隙内涡流离心力作用下对物料进行彻底的预分散处理。在接下来强烈的研磨中，转子和定子对研磨介质连续发生剧烈的撞击变化，研磨介质再作用于物料，物料得以研磨，研磨后的物料在研磨腔停留特定的研磨时间，从而得到一个极窄的产品粒度分布带，在进料泵压力和离心力作用下，由于密度的不同，研磨介质返回研磨腔，物料却沿着离心力相反的方向经滤网式分离器过滤分离，循环往复。

Materials are fed from the top inlet to the grinding chamber by feeding pump and distributed evenly with the rotation of the rotor, the eddy current works on the materials for completely pre-dispersion under the action of centrifugal force of rotor and stator. The rotor and stator have strong impact on the grinding media and meanwhile the grinding media work on the materials. The materials stay in the grinding chamber after certain grinding time, resulting in a very narrow particle size distribution. Because of different density, grinding media return to the grinding chamber under the effect of feeding pump pressure and centrifugal force, while the materials flow out through the screen separator on the opposite direction of the centrifugal force, this is a recirculation.

在纳米材料粉体工程中应用非常广泛 Widely used in Nano New Material

- | | |
|---------------------|--|
| ● 电池行业：磷酸铁锂电池正极材料等 | ● Battery Industry: cathode materials of the lithium iron phosphate batteries. |
| ● 数码耗材：数码喷墨墨水等 | ● Digital Consumptive Materials: digital jet printing ink. |
| ● 陶瓷材料：氧化铝、氧化锆、碳化硅等 | ● Ceramic Materials: alumina oxide, zirconia, silicon carbide. |
| ● 矿物颜料：钛白粉、碳酸钙、氧化铁等 | ● Mineral Pigment: titanium pigment, calcium carbonate, ferric oxide. |
| ● 稀土材料：氧化钇、镧、铈等 | ● Rare-earth Materials: zirconia, indium oxide, cerium oxide, etc. |
| ● 化妆品类：珍珠粉等 | ● Cosmetics: pearl powder. |
| ● 医药制剂行业 | ● Pharmaceutical Preparation. |

结构设计 Structure

特殊转子结构设计，数量和体积及安装位置按流体力学设计，达到最大比研磨能量，提高物料研磨效率，使物料达到纳米级，经第三方马尔文激光粒度测试仪测定，最小细度可达小于50nm。

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.

规格配置表 Configuration table (●标配 Standard / ○可选Optional)	
全防爆	Explosion-proof <input type="radio"/>
筒体 Cylinder	304钝化 304 stainless steel passivation <input type="radio"/> A3油漆 A3 carbon steel with paint <input checked="" type="radio"/>
筒体内胆材质 Material of Cylinder liner	聚氨酯 Polyurethane <input type="radio"/> 全陶瓷 Ceramic <input type="radio"/> 模具钢 Die steel <input checked="" type="radio"/>
泵 pump	齿轮泵 Gear pump <input type="radio"/> 隔膜泵 Diaphragm pump <input checked="" type="radio"/> 软管泵 Hose pump <input type="radio"/>
PLC	西门子 Siemens <input type="radio"/> 国产 Domestic <input checked="" type="radio"/>
变频调速 Inverter control	施耐德/ABB <input type="radio"/> 国产 Domestic <input checked="" type="radio"/>
辅助冷却系统 Auxiliary cooling system	<input type="radio"/>
进料过滤器 Feed filter	<input type="radio"/>
出料过滤器 Discharge filter	<input type="radio"/>
动态出料系统 Dynamic discharge system	<input type="radio"/>

型号 Model	WSP-0.5	WSP-1	WSP-6	WSP-10	WSP-25	WSP-60	WSP-90	WSP-150	WSP-400
筒体容积 Volume (L)	0.5	1	6	10	25	60	80	146	402
研磨介质 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
加工批量 Batch (L)	1~3	2~20	50~150	100~1000	500~2000	>1000	>1500	>2000	≥3000
驱动功率 Motor (kw)	4	5.5	15	18.5~22	45	75~90	110~160	160~250	400~500
转速 Speed (rpm)	0~3000	0~3000	0~1500	0~1300	0~1000	0~800	0~650	0~580	0~480
细度 Fineness (nm)	D90<100								
外形尺寸 Overall dimensions LxWxH (mm)	长度 L	800	1000	1250	1400	2100	2200	2500	2900
	宽度 W	600	700	1050	1200	950	1000	1100	1220
高度 H	720	820	1480	1800	1660	2300	2400	2600	2400
重量 Weight (kg)	160	200	600	1500	2200	3000	5400	8000	11000

WST 涡轮式纳米砂磨机系列

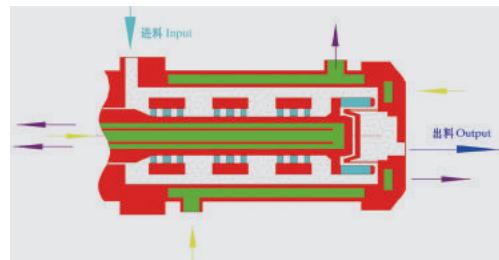
WST Series Turbo Nano Sand Mill



WST-15



WST-5



蜗轮式分散器结构 Turbo disperser structure

高速的蜗轮式分散器将研磨室内轴向移动的粒子切换成沿圆周方向若干个粒子流，与传统的单一的粒子流相比，大大增加了剪切破碎的动能。

蜗轮分散器径向的压力差，使得粒子流不需强烈接触分散器即可获取极强的蜗旋力，，避免传统结构中强烈撞击所产生过多的热能耗损。同时提高了破碎当量，延长了分散器的寿命。

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.

在纳米材料粉体工程中应用非常广泛 Widely used in Nano New Material

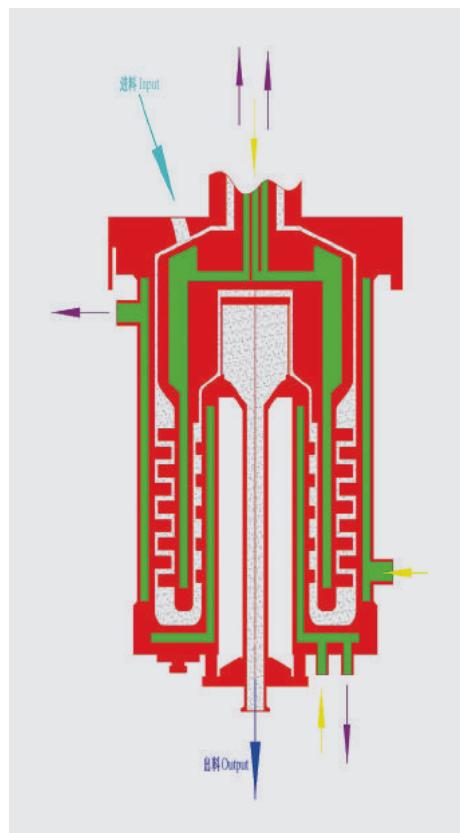
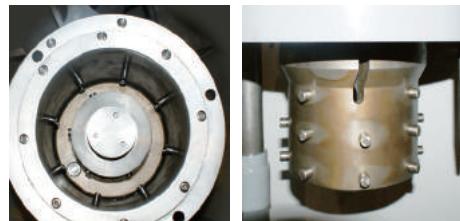
- 电池行业：磷酸铁锂电池正极材料等
- 数码耗材：数码喷墨墨水等
- 陶瓷材料：氧化铝、氧化锆、碳化硅等
- 矿物颜料：钛白粉、碳酸钙、氧化铁等
- 稀土材料：氧化钇、镧、铈等
- 化妆品类：珍珠粉等
- 医药制剂行业
- Battery Industry: cathode materials of the lithium iron phosphate batteries.
- Digital Consumptive Materials: digital jet printing ink.
- Ceramic Materials: alumina oxide, zirconia , silicon carbide.
- Mineral Pigment: titanium pigment, calcium carbonate, ferric oxide.
- Rare-earth Materials: zirconia, indium oxide, cerium oxide, etc.
- Cosmetics: pearl powder.
- Pharmaceutical Preparation.

规格配置表 Configuration table (●标配 Standard / ○可选Optional)		
全防爆 Explosion-proof		<input type="radio"/>
筒体 Cylinder	304钝化 304 stainless steel passivation	<input type="radio"/>
	A3油漆 A3 carbon steel with paint	<input checked="" type="radio"/>
筒体内胆材质 Material of Cylinder liner	全陶瓷 Ceramic	<input checked="" type="radio"/>
	模具钢 Die steel	<input type="radio"/>
泵 pump	齿轮泵 Gear pump	<input type="radio"/>
	隔膜泵 Diaphragm pump	<input checked="" type="radio"/>
	软管泵 Hose pump	<input type="radio"/>
PLC	西门子 Siemens	<input type="radio"/>
	国产 Domestic	<input type="radio"/>
变频调速 Inverter control	施耐德/ABB	<input type="radio"/>
	国产 Domestic	<input checked="" type="radio"/>
辅助冷却系统 Auxiliary cooling system		<input type="radio"/>
进料过滤器 Feed filter		<input type="radio"/>
出料过滤器 Discharge filter		<input type="radio"/>

型号 Model	WST-0.5	WST-5	WST-15	WST-30	WST-90
主机功率 Power (KW)	3~4	11~15	30~37	37~45	55~75
缸筒容积 Power (L)	0.4	5	15	30	90
研磨介质 Beads (mm)	0.1~1.2	0.1~1.2	0.3~1.2	0.3~1.2	0.3~1.2
主轴转速 Speed (r/min)	0~3000	0~2500	0~1800	0~1500	0~850
产能 Output (L/h)	1~30	200~450	300~800	500~1200	800~3000
外形尺寸 D (mm)	长 L	800	1250	1550	1800
	宽 W	600	1050	1400	1400
	高 H	720	1480	1900	1700

WHD 超精细珠磨机系列

WHD Series Super-fine Bead Mill



发明专利 Patent of Invention: ZL 2012 1 0318480.7



优良的冷却性能 Great cooling performance

- 产品在涡流引导间隙中得到预冷却；
- 在外层研磨腔，对定子和转子进行有效冷却；
- 产品在定子底部的折返区得到有效的冷却；
- 产品流经内研磨腔时，对定子和转子进行有效冷却；
- 在转子内表面的产品的不断涡流运动带来内研磨腔的强力冷却。
- Materials can be pre-cooled between the guiding eddy gap.
- Materials can be cooled between the stator and rotator in the outer milling chamber.
- Materials can be effectively cooled by the bottom of the stator.
- In the inner surface of the rotor, milling chamber brings materials strong cooling with continuous eddy current movement.

应用 Application

有鲜明色彩和高分辨率的时尚手机、TFT屏或笔记本电脑，以及大量时尚汽车漆和色彩鲜明的涂料的杰出质量实显体现着该机型优秀的分散特性。本机被更多地应用在油漆和清漆、农用化工、油墨、化工、造纸和纳米科技领域。

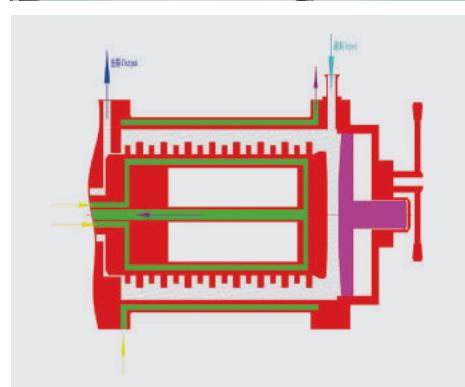
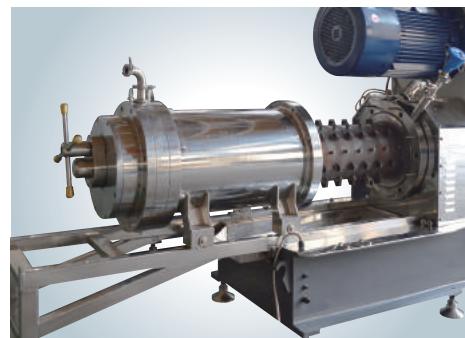
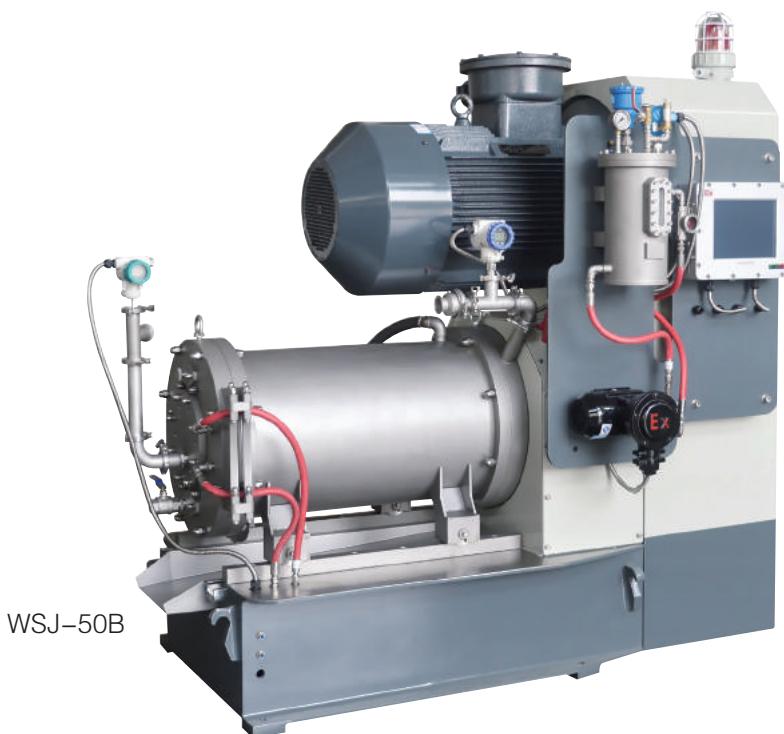
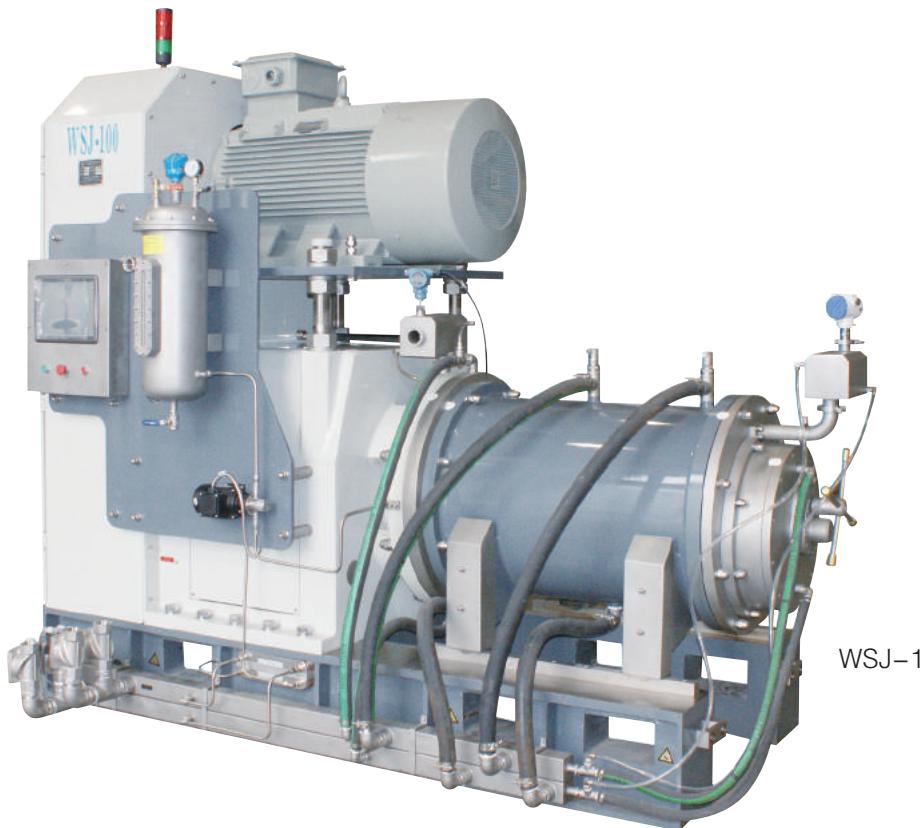
- 更具光彩的汽车漆，高固体份和水基产品；
- 具有更高抵抗力的重型涂料；
- 纳米级高光敏颜料；
- 高质量染色浆料；
- 更具光泽度和透明度的高质量包装和银箔油墨；
- 更高品质的特级喷墨产品；
- 其他高要求的产品。
- High-quality colour filters of TFT screens and LCD displays
- More gloss for automotive paints: high solids and waterbased products
- More resistance for heavy-duty coatings
- More brilliance by nano-grinding of highly light-fast pigments
- More economic efficiency due to increased colour strength in the manufacture of high-quality tinting pastes
- More gloss and transparency for high-quality packaging and foil ink
- More quality for premium inkjet products
- More quality and economic efficiency in the development and manufacture of a wide range of products with high demands in the area of dispersing and true grinding.



型号 Model	WHD12	WHD100	WHD200	WHD400	WHD800
主机功率 Main motor power (kw)	5.5	22~30	45~55	90~100	250
研磨缸容积 Milling chamber volume (L)	1.2	11	25	35	80
研磨介质 Beads (mm)	0.1~1.0	0.3~1.2	0.3~1.2	0.3~1.2	0.3~1.2
产品最高流量 (L/h) Max. output	300	1200	3000	6000	12000

WSJ 内冷却卧式全能珠磨机系列

WSJ Series Horizontal Internal-cooling Full Function Bead Mill



特点 Features

- 通用型强、操作方便，设备采用PLC来进行控制，并且配有图形模拟生产和触摸屏(选项)
- 可调节动态分离器采用高耐磨粉末合金制成，具有自洁性、可调间隙的特点，其间隙可调整到0.2mm，用户可以选择≤0.6mm的研磨介质，为提高产品细度创造了条件。
- 可变容积的活塞式磨腔，改变能量密度和筒体压力，以达到最佳分散效果。
- 全进口德国产机械密封和唇密封，彻底解决了磨腔在工作状态下物料易泄露的顽症。
- 最新研发的B型号机器在原有基础上进一步加强了研磨效果，产品料细度可达到纳米级。
- Strong versatility, easy operation, PLC is used for control, analogous drawing and touch screen are available (optional).
- 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.
- 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.
- The latest machine of the model B developed from the original basis has been further strengthen in the grinding effect, the product fineness can reach nanometer grade.

应用 Application

适用于汽车涂料、卷钢涂料、防腐涂料、木器漆、丝网印刷油墨、塑料溶剂油墨、纺织品颜料、水性印花色浆、电子工业浆料等。

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

配置表 Configuration table (●标配 Standard / ○可选Optional)	
全防爆 Explosion-proof	<input type="radio"/>
筒体 Cylinder	304钝化 304 stainless steel passivation
	A3油漆 A3 carbon steel with paint
筒体内胆材质 Material of Cylinder liner	不锈钢 Stainless steel
	模具钢 Die steel
泵 pump	齿轮泵 Gear pump
	隔膜泵 Diaphragm pump
PLC	西门子 Siemens
	国产 Domestic
图形模拟生产和触摸屏 Analogous drawing and touch screen	<input type="radio"/>
变频调速 Inverter control	施耐德/ABB
	国产 Domestic
辅助冷却系统 Auxiliary cooling system	<input type="radio"/>
进料过滤器 Feed filter	<input type="radio"/>
出料过滤器 Discharge filter	<input type="radio"/>

型号 Model	WSJ-1	WSJ-5	WSJ-20	WSJ-30	WSJ-30B	WSJ-50	WSJ-50B	WSJ-100
容量 Volume (L)	1	5	20	30	28	50	48	100
流量 Output (L/h)	3~60	5~300	50~600	150~1000	300~2000	400~1800	500~3500	500~3500
电动功率 Power (KW)	5.5	11~15	22	22~30	37~45	30~45	55~75	75~90
研磨介质 Abrasive medium (mm)	0.6~1.4	0.8~2.0	0.8~2.0	0.8~2.0	0.3~2.0	0.8~2.0	0.3~2.0	0.8~6.0
冷却水 Cooling water (m ³ /h)	1	1.5	2	2.5	3	3.5	4	5
外形尺寸 Overall dimensions LxWxH (mm)	长 Length	1000	1300	1420	2100	1900	1700	2800
	宽 Width	700	1100	1450	1250	950	1300	1500
	高 Height	820	1500	810	1800	1850	1970	2500
重量 Weight (kg)	200	600	1500	2300	2300	2400	2400	7000

WSD 大流量砂磨机系列

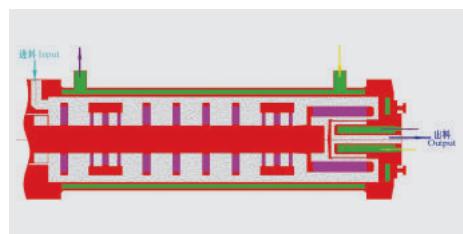
WSD Series Fast Flow Sand Mill



WSD-300



WSD-100



蜗轮式分散器结构 Turbo disperser structure

全新机型WSD大流量砂磨机采用新研发的带导流槽砂磨盘，为您提供更高效的湿法研磨工艺和技术，高效率导流槽研磨盘片和超大离心流涡轮使研磨珠子能更好的分布在研磨腔内，特殊设计的离心轮在高线速度的状态下，利用离心原理，尽可能地把研磨介质和大颗粒物料甩在滤网之外，既保护了滤网的使用寿命，又使更大颗粒的物料在研磨腔内重复研磨，解决了滤网经常被堵住的问题，利用离心轮式筛网提高流量，研磨珠能安全地分离，甚至在高流量时高效率地分离。该系统包含下列单元：

- 离心导流槽的盘片
- 特殊设计的离心轮
- 特殊设计超大面积筛网

WSD large flow sand mill new type adapts new diversion trench and sand disc to achieve much higher efficient wet grinding technology. High-efficient diversion-trench grinding disc and super-big centrifugal flow turbine can be distributed in grinding chamber preferably. Centrifugal wheel is designed specially, under high line-speed, adopting centrifugal principle, centrifugal wheel can throw grinding medium and large particles material to the outside of filter. This will ensure much more working life of filter and make larger particles material be grinded in chamber repeatedly. This technology solves the problem that filter is plugged up easily. Adopts centrifugal-wheel style filter to increase flow rate and to separate grinding medium safely, if for larger flow separation system, it can work in much higher efficiency.

- Disc of centrifugal grooves
- Specially designed centrifugal wheel
- Special designed large area of screen mesh

机器的概念和特点 Character

- 排除了腔体内无效径向力
- 可更换的各种材质研磨腔
- 所有易损件都可单独更换
- 特殊带推力的盘片和轴心设计
- 离心轮分离式筛网
- 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

应用 Application

适用于汽车涂料、卷钢涂料、防腐涂料、木器漆、丝网印刷油墨、凹印油墨、纺织品颜料、钛白粉、医药、农药等。

Applicable for automobile paint, steelroll paint, corrosion-proof paint, wood paint, screen printing ink, Gravure ink, textile pigment, TiO₂ powder, Pharmacy, Pestide etc.

规格配置表 Configuration table (●标配 Standard / ○可选Optional)	
全防爆	Explosion-proof <input type="radio"/>
结构 Structure	组合涡轮 Turbine <input type="radio"/>
	全盘片 All disc <input checked="" type="radio"/>
筒体 Cylinder	304钝化 304 stainless steel passivation <input type="radio"/>
	A3油漆 A3 carbon steel with paint <input checked="" type="radio"/>
筒体内胆材质	聚氨酯 Polyurethane <input type="radio"/>
Material of Cylinder liner	全陶瓷 Ceramic <input type="radio"/>
	模具钢 Die steel <input checked="" type="radio"/>
	不锈钢 Stainless steel <input type="radio"/>
泵 pump	齿轮泵 Gear pump <input type="radio"/>
	隔膜泵 Diaphragm pump <input checked="" type="radio"/>
	软管泵 Hose pump <input type="radio"/>
PLC	西门子 Siemens <input type="radio"/>
	国产 Domestic <input type="radio"/>
变频调速 Inverter control	施耐德/ABB <input type="radio"/>
	国产 Domestic <input checked="" type="radio"/>
辅助冷却系统 Auxiliary cooling system	<input type="radio"/>
进料过滤器 Feed filter	<input type="radio"/>
出料过滤器 Discharge filter	<input type="radio"/>

型号 Model	WSD-0.4	WSD-0.5	WSD-30	WSD-50	WSD-100	WSD-300	WSD-500	WSD-1000
主机功率 Power (KW)	1.5	4	22~30	30~37	45~55	90~132	132~160	350
缸筒容积 Volume (L)	0.4	0.5	30	50	100	300	500	1000
研磨介质 Beads (mm)	1.0~2.0	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
线速度 Linear (m/s)	0~11	0~13	0~12.5	0~12.5	0~12.5	0~12	0~12	0~12
流量 Output (L/h)	1~30	30~60	100~500	500~800	800~1500	1500~4000	3000~8000	5000~15000
外形尺寸 (mm) D LxWxH	长 L	700	800	1800	2000	2300	3000	4000
	宽 W	300	600	800	850	1000	1200	1500
	高 H	400	720	1600	1650	1700	2300	2500
重量 W (kg)	80	100	1500	2000	2800	7000	8000	12000

WSV 内冷却立式双锥珠磨机系列

WSV Series Vertical Internal-cooling Bipyramid Bead Mill

特点 Features

- 设备采用PLC来进行控制，并且配有图形模拟生产和触摸屏(选项)
- 先进的双水内冷却系统，适用于对温度敏感的材料。
- 研磨桶体采用手动液压系统，拆装清洗十分方便。主机采用变频调速，实现软启动；针对不同的物料，用户可以选择相应的速度，以达到节能和最佳研磨效果的目的。
- 研磨桶体采用了高耐磨合金钢材料，研磨腔易损件可单独更换，使维修成本最小化。

- PLC is used for control, analogous drawing and touch screen are available (optional).
- For the advanced double water cooling system, suiting temperature-sensitive materials.
- The handle hydraulic system of the cylinder is used and it is easy for cleaning. The frequency inverter used to adjust the speed in the mill is to realize the soft starting and the different speed can be selected for different material to reach the double results of economy and good grinding.
- The key technology of the highly wear-resistant alloy steel is adopted in this grinding cylinder, which has solved the problem of material pollution caused by the sand mill, and the inner layer can be changed, the cost of maintenance will be min.



应用 Application

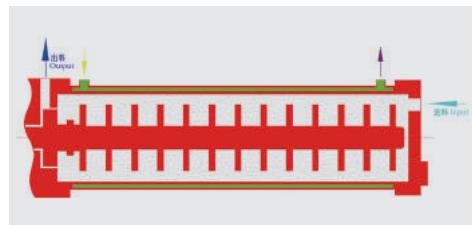
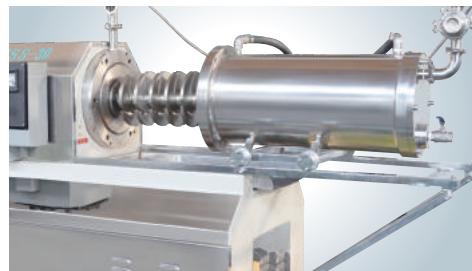
适用于轿车漆及轿车修补漆、特种油墨、水性印花色浆、碳黑色浆纺织品颜料、亚微米级研磨、电子工业浆料等。

Applicable for automobile paint and its repairing paint, special ink, color paste for water printing, blank carbon for textile pigment, sub-micron grade milling, paint and ink for electronic industry, etc.

型号 Model	WSV-9.8	WSV-11	WSV-14
容量 Volume (L)	9.8	11	14
电动功率 Power (KW)	22	22	30
研磨介质 Abrasive medium (mm)	0.8~2.0	0.8~2.0	0.8~2.0
出料量 Output (kg/h)	60~140	80~140	90~180
冷却水 Cooling water (m³/h)	0.8	0.8	0.8
外形尺寸 Overall dimensions LxWxH (mm)	700x1180x1600	700x1180x1600	720x1225x1700
重量 Weight (kg)	1050	1100	1250

WSS 卧式砂磨机系列

WSS Series Horizontal Sand Mill



特点 Features

- 粉末合金制成的间隙式动态分离器具有自洁性，无堵塞，超耐磨的特点。
- WSS系列卧式砂磨机选用由具有世界领先水平的BORGmann公司制造的机械密封。其动、静环表面采用碳化硅，O型圈使用聚四氟乙烯，能承受腐蚀性较强的溶剂的侵蚀。
- 为解决用户的特殊要求，WSS系列卧式砂磨机研磨桶体和分散盘有多种材料可供选择，如氧化锆、复合材料等，本机具有耐溶剂、零污染、高耐磨的优良特性。
- Dynamic gap is made of special alloy steel and it is self-cleaning, non-clogging, abrasion-resistant.
- Mechanical seal of WSS is made of BORGmann silicon carbide material. O-rings are made of ETFE and can resist corrosive solvent.
- In order to satisfy the user's special requirements, the WSS series horizontal sand mill is optional for several materials, such as zirconia, composite materials, which have lots of excellent characteristic such as resistant to solvent, zero pollution, high abrasion resistance.

应用 Application

适用于汽车漆、油墨、乳胶漆、碳黑、钛白粉、工业涂料等。

Automobile coating, printing ink, Emulsion paint, Carbon black, Titanium white, Industrial coating.

型号 Model	WSS-0.5	WSS-20	WSS-30	WSS-40	WSS-50	WSS-80	WSS-100	WSS-200
容量 Volume (L)	5	20	30	40	50	80	100	200
研磨介质 Beads (mm)	0.8~2.5	0.8~2.5	0.8~2.5	0.8~2.5	0.8~2.5	0.8~2.5	0.8~2.5	0.8~2.5
电动功率 Motor Power(kw)	7.5	15	18.5	22	30	37	45	75
A (mm)	1200	1430	1520	1670	1800	1780	1830	2294
C (mm)	850	700	700	740	800	1180	1280	1470
D (mm)	1300	1140	1280	1400	1500	1090	1140	1164
重量 Weight (kg)	600	850	1090	1150	1350	1800	1950	2440

WSK 高粘度超细全能珠磨机系列

WSK High-Viscosity Superfine Versatile Bead Mill



WSK-80

专利号: ZL 201120264191.4



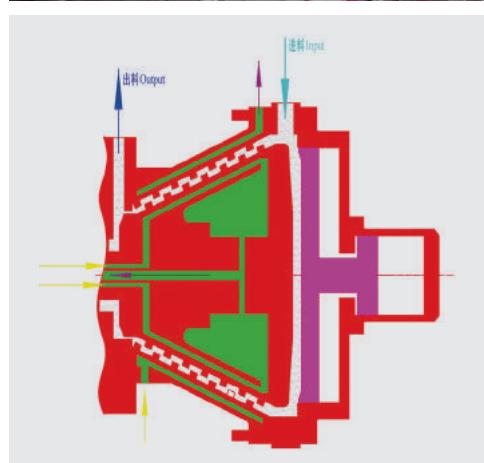
WSK-120

专利号: ZL 201120264775.1



WSK-180

专利号 ZL 2008 2 0160769.X
ZL 2008 3 0228045.X



特点 Features

- 通用型强、操作方便，设备采用西门子PLC来进行控制，并且配有图形模拟生产和触模屏(选项)。
- 锥形研磨搅拌槽可以使物料达到最佳的研磨效果。
- 自清洁式、高精度分离环，可用直径0.8~2.5mm的研磨介质。
- 加工区域小和封闭式研磨，使污染最小化。
- 研磨区域采用特制的高耐磨合金钢材料，保证了设备的使用寿命。
- 设备采用全进口高精密轴承和全进口双作用机械密封保证了设备的使用寿命和稳定性。
- 内循环式冷却、加热一体化系统，适用于对温度敏感的材料(选项)。
- Strong versatility, easy operation, Siemens PLC is used for control, analogous drawing and touch screen are available (optional).
- 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.
- Small processing area and closed grinding ensures the least pollution.
- Grinding area made of special anti-wearing alloy material ensures long service life.
- All imported high-precision bearings and double-acting mechanical sealing ensure service life and stability of equipment.
- Internal circulated cooling/heating integrated system suiting temperature-sensitive materials (optional).

应用 Application

适用于胶版印刷油墨、网印刷油墨、浓缩油墨、紫外线印刷油墨、凹版印刷油墨、橡皮凸版印刷油墨、水性印花油墨、油漆等。
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.

规格配置表 Configuration table (●标配 Standard / ○可选Optional)		
全防爆 Explosion-proof		○
筒体 Cylinder	304钝化 304 stainless steel passivation A3油漆 A3 carbon steel with paint	○ ●
筒体内胆材质 Material of Cylinder liner	不锈钢 Stainless steel 模具钢 Die steel	○ ●
泵 pump	齿轮泵 Gear pump 隔膜泵 Diaphragm pump 软管泵 Hose pump	● ○ ○
PLC	西门子 Siemens 国产 Domestic	○ ○
图形模拟生产和触摸屏 Analogous drawing and touch screen		○
变频调速 Inverter control	施耐德/ABB 国产 Domestic	○ ○
辅助冷却系统 Auxiliary cooling system		○
进料过滤器 Feed filter		○
出料过滤器 Discharge filter		○

型号 Model		WSK-18	WSK-80	WSK-120	WSK-180	WSK-240	WSK-280
电机功率 Motor power (KW)	3~11	22~37	37~45	45~55	55~75	75~90	
研磨介质 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	
生产能力 Productive capacity (kg/h)	3~50	50~200	100~300	150~500	200~700	250~800	
研磨腔容积 Volume of grinding (L)	1.2	9	13	15	20	20	
压缩空气 Compressed air (bar)	2~6	2~6	2~6	2~6	2~6	2~6	
外形尺寸 Overall dimension	长度 Length	1000	1550	1800	2000	2000	2020
LxWxH (mm)	宽度 Width	900	1100	1260	1650	1680	1680
	高度 Height	1300	1600	2200	2500	2500	2550
出料口距地高度 Outlet height (mm)		900	1100	1400	1500	1500	1540
整机重量 Machine weight (kg)		600	1200	2200	3000	3300	3800

WSH 内冷却高粘度立式珠磨机系列

WSH Series High-Viscosity Vertical Bead Mill

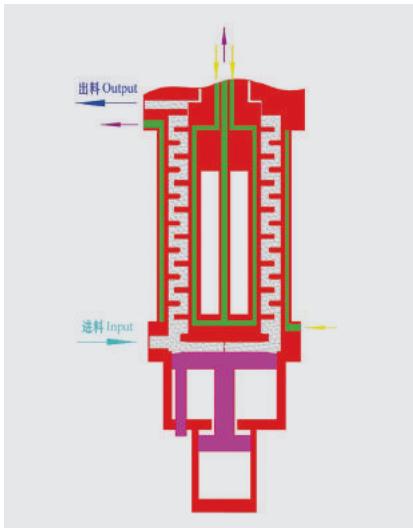
产品介绍 Introduction

珠磨机主要是为高粘度材料(胶印油墨)的预分散与精细分散而设计的，它可单机使用，可与三辊研磨机连接配套使用，也可与全自动生产线联接使用，该机型是生产胶印刷油墨及高粘度材料的理想设备。

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.

特点 Features

- 设备采用PLC来进行控制，并且配有图形模拟生产和触模屏(选项)。
- 自动控制研磨腔体的压力，选择最佳的研磨效果。
- 机械密封与轴承档采用开放式联结，解决了主轴在高粘度状态下对联轴器产生的冲击，使设备运行更加可靠、安全。
- 双螺旋内冷却水道能有效地逸散设备在高粘度运行时产生的热量。
- 机械密封采用德国BURGMANN公司制造，轴承采用日本NSK公司制造，动态分离器采用粉末冶金制造。
- 物料只要研磨一遍即可达到理想的细度，与三辊研磨机配套使用，使生产过程一次完成，极大的提高了生产效率。
- 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 machine, the production can be finished in one time, to increase the efficiency extremely.



型号 Model	WSH-14	WSH-30	WSH-50
筒体容积 Capacity (L)	14	30	50
可调节砂箱容积 Adjustable sandbox volume (L)	5	8	8
研磨介质 Grinding media	2.0~2.2纯锆珠Zirconia ball / 2.0钢珠Steel ball		
主电机功率 Main motor power (KW)	30~37	45~55	55~75
料泵调速电机功率 Power of the material pump timing motor (KW)	2.2	2.2	2.2
冷却电机功率 Cooling motor power (KW)	0.37	0.37	0.37
产量范围 Output (kg/h)	80~150	100~180	150~350
出料口距地高度 Outlet height (mm)	1200	1400	1500
重量 Weight (kg)	2700	3000	3500
外形尺寸 Overall dimension LxWxH (mm)	1370x722x1830	1600x860x2260	1680x950x2500
出口包装尺寸 Packing dimension LxWxH (mm)	1600x1000x1900	1800x1000x2400	1850x1050x2700

WSZ 内冷却高粘度卧式珠磨机系列

WSZ Series High-Viscosity Horizontal Bead Mill

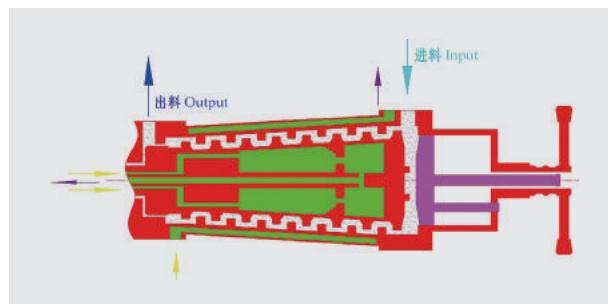
产品介绍 Introduction

珠磨机主要是为高粘度材料(胶印油墨)的预分散与精细分散而设计的，它可单机使用，可与三辊研磨机连接配套使用，也可与全自动生产线联接使用，该机型是生产胶印印刷油墨及高粘度材料的理想设备。

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.

特点 Features

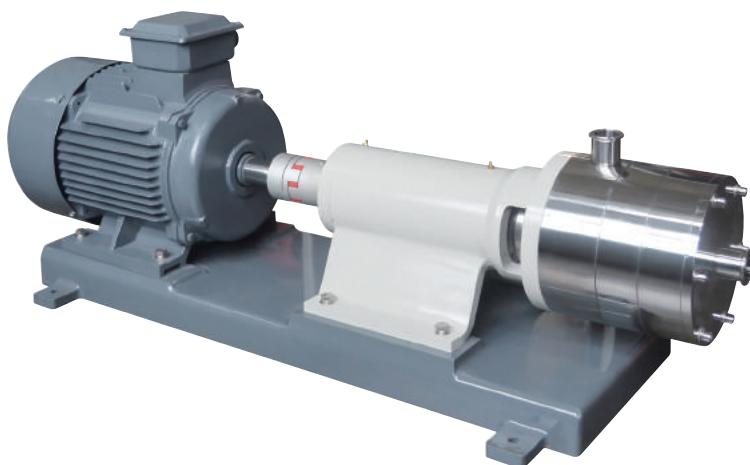
- 设备采用PLC来进行控制，并且配有图形模拟生产和触模屏(选项)。
- 锥形的研磨腔和梯形状的转子，专为研磨高粘度物料而设计。先进的内冷却装置能有效地逸散磨腔在高粘度工作状态下产生的热量。
- 全进口的德国产机械密封和唇密封，彻底解决了磨腔在高粘度工作状态下物料易泄露的顽症。
- 磁通量达8000高斯的磁性过滤器，彻底清除被磨浆所含的金属杂质。保证了产品的纯度和下道工序的设备安全。
- 可变容积的活塞式磨腔，可以改变腔内能量密度和筒体压力，以达到最佳分散效果。
- PLC is used for control, analogous drawing and touch screen are available (optional).
- 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 foreign-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.



型号 Model	WSZ-8	WSZ-14	WSZ-25
筒体容积 Capacity (L)	8	14	25
可调节砂箱容积 Adjustable sandbox volume (L)	5	5	8
研磨介质 Grinding media	2.0~2.2纯锆珠Zirconia ball / 2.0钢珠Steel ball		
主电机功率 Main motor power (KW)	30~37	37~45	55~75
料泵调速电机功率 Power of the material pump timing motor (KW)	1.5	2.2	3.7
冷却电机功率 Cooling motor power (KW)	0.37	0.37	0.37
产量范围 Output (kg/h)	50~110	80~150	100~180
出料口距地高度 Outlet height (mm)	1200	1250	1350
重量 Weight (kg)	1500	2000	2800
外形尺寸 Overall dimension LxWxH (mm)	1600x1100x1760	1700x1100x1840	1830x1150x1730
出口包装尺寸 Packing dimension LxWxH (mm)	1700x1200x2000	1800x1200x2100	1950x1250x2050

LHX 均质乳化泵系列

LHX Series Homogeneous Emulsion Pump



概述 Overview

均质乳化泵是一种连续性生产的在线均质乳化设备，其工作腔体内由三级转子 定子共12层组成。均质乳化泵过转子旋转与定子产生的剪切力进行分散 乳化。是集合混合、分散、破碎、溶解、解聚、均质、乳化、输送为一体的超细乳化设备。均质乳化泵简化了传统工艺，提高了生产效率和产品品质，是湿法研磨分散的理想设备

Homogeneous emulsion pump is a kind of continuous online equipment for homogeneous emulsification . The working cavity of the pump is formed by 12 layers of rotor-stator arranged three levels. Homogeneous emulsion pump is used to disperse and emulsify the product by the shear force created by the rotation between the rotor and stator. It combines the functions of mixing, dispersion, crushing, dissolution, depolymerization, homogeneous, emulsification and transportation in one of the equipment. The pump simplifies the traditional process and improves the productivity and the product quality , so it is the ideal equipment for wet dispersion and grinding.

应用 Applications

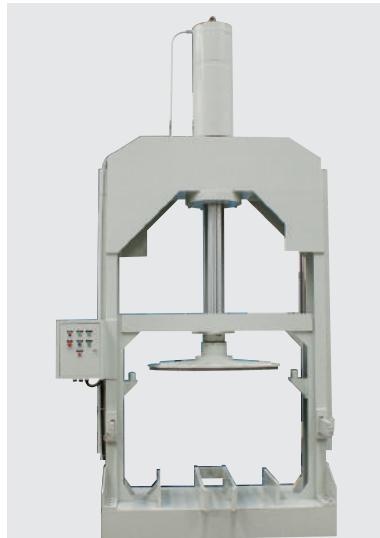
应用领域：颜料、染料、表面活性剂、皮革助剂、生物医药、涂料油墨、农药

Application field:Pigment,Dye,Surfactant,Leather additives, pharmaceuticals,Pesticide,etc.

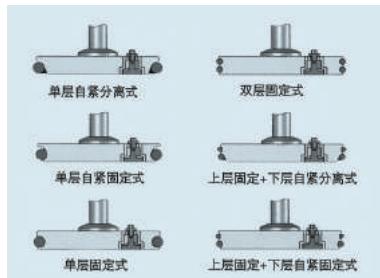
型号 Model		LHX3-100	LHX3-140	LHX3-165	LHX3-200	LHX3-240	LHX3-260
功率 Power (KW)		7.5	11	15	30	45	90
流量 Output (m ³ /h)		1~3	2~5	5~10	5~20	8~30	10~60
转速 Speed (r/min)		2900	2900	2900	2900	2900	2900
出口压力 Outlet pressure		0.15	0.2	0.3	0.4	0.5	0.6
外形尺寸 Overall dimension LxWxH (mm)	长度 Length	1200	1200	1500	1600	1600	1800
	宽度 Width	300	475	475	550	550	550
	高度 Height	350	400	400	500	500	550

LXQLF 多功能强力分散机系列

LXQLF Series Multi-function Triple Shaft Mixer



LXYLJ液压出料机系列
LXYLJ Series Hydraulic Discharge Machine



概述 Overview

龙鑫强力分散机的两高速分散机构和一个刮边刮底机构使物料在釜体内作复杂的运动，从而达到迅速分散研磨的效果，同时具有分散均匀、无死角、出料方便等优点。它广泛应用于高粘度、膏体状物料的混炼、搅拌、硫化、分散、研磨、重新聚合等工艺过程。

Longxin triple shaft mixers have 2 high speed dispersers & a scrapper, the unique design will make the reactant fine dispersing. They are widely used in high viscosity, cream material mixing, vulcanization, dispersing, milling, polymerization processing. Our machine have no blind mixing spot & easily discharging.

应用 Applications

强力分散机主要适用于生产：硅酮密封胶、聚氨酯密封胶、机械密封胶、液体硅胶、RTV、电子胶、油墨、颜料、染料、电子浆料、树脂、塑料、牙膏、化妆品等行业。使用粘度范围10,000cps~2,000,000cps左右。

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

型号 Type	缸体容积 Design volume (L)	投料容积 Feeding volume (L)	电机功率 Motor power (Kw)	搅拌转速 Mixing speed (Rpm)	分散转速 Dispersing speed (Rpm)	真空度 Vacuum
LXQLF-5	5	3	1.5 × 3	42	0~1500 × 2	-0.098Mpa
LXQLF-300	300	180	11 × 3	33	0~1500 × 2	-0.098Mpa
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-2000	2000	1200	37 × 3	23	0~980 × 2	-0.098Mpa
LXQLF-5000	5000	3000	55 × 3	23	0~980 × 2	-0.098Mpa

LXQLFQ 加强型多功能强力分散机系列

LXQLFG Series Multi-function Triple Shaft Mixer



LXQLFQ-6000



LXQLFQ-1000

概述 Overview

该产品为加强版产品，在原版的基础上做了很多改进，主要是用于超高粘度，超高强度物料生产过程。

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

应用 Applications

加强型强力分散机主要适用于生产：硅酮密封胶基料、聚氨酯密封胶、机械密封胶、电子胶、树脂等行业。使用粘度范围10,000~8,000,000cps。

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

型号 Type	缸体容积 Design volume (L)	投料容积 Feeding volume (L)	电机功率 Motor power (Kw)	搅拌转速 Mixing speed (Rpm)	分散转速 Dispersing speed (Rpm)	真空度 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

LXXJB 行星搅拌机系列

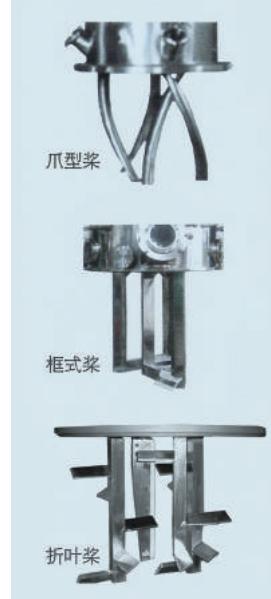
LXXJB Series Planetary Mixer



LXXJB-300



LXXJB-600



概述 Overview

龙鑫行星搅拌桨叶在绕釜体自转和公转，使物料在釜体内作复杂的运动。本机具有搅拌均匀、无死角、出料方便等优点。它广泛应用于高粘度、膏体状物料的混炼、搅拌、硫化、分散、重新聚合等工艺过程。

Longxin planetary mixers blades rotate the same time make revolution movement, so material will be complex movement. They are widely used in high viscosity, cream type material mixing, vulcanization, dispersing, polymerization processing. Our mixers have high performance & easy discharging without mixing blind spot.

应用 Applications

龙鑫行星搅拌机主要适用于生产：硅酮密封胶、聚氨酯密封胶、机械密封胶、液体硅胶、RTV、电子胶、油墨、颜料、染料、电子浆料、树脂、塑料、牙膏、化妆品等行业。使用粘度范围10,000cps~8,000,000cps左右。

Longxin planetary mixers are widely used in industries: silicone sealant, PU sealant, machinery sealant, liquid silicone, RTV, Electronic sealant, ink, pigment, dye, electronic paste, resin, plastic, tooth paste etc. Viscosity range from 10,000cps~8,000,000cps.

型号 Type	缸体容积 Design volume (L)	投料容积 Feeding volume (L)	电机功率 Motor power (Kw)	公转转速 Revolution speed (Rpm)	自转转速 Rotate speed (Rpm)	真空度 Vacuum
LXXJB-5	5	3	1.1~1.5	0~60	0~130	-0.098Mpa
LXXJB-300	300	180	11~18.5	0~60	0~85	-0.098Mpa
LXXJB-500	500	300	18.5~37	0~50	0~70	-0.098Mpa
LXXJB-1000	1000	600	37~55	0~40	0~60	-0.098Mpa
LXXJB-2000	2000	1200	45~75	0~40	0~60	-0.098Mpa

LXDLH 行星动力混合机系列

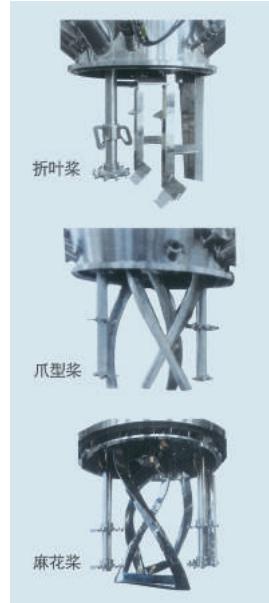
LXDLH Series Planetary Power Mixer



LXDLHS-300



LXDLH-600



概述 Overview

龙鑫动力混合机是一种万能搅拌分散设备，有高速分散、行星自转、行星公转三种复杂的运动，使物料在釜体内迅速分散研磨均匀，同时具有分散均匀、无死角、出料方便等优点。它广泛应用于高粘度、膏体状物料的混炼、搅拌、硫化、分散、研磨、重新聚合等工艺过程。

Longxin planetary power mixers 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.

应用 Applications

动力混合机主要适用于生产：硅酮密封胶、聚氨酯密封胶、机械密封胶、液体硅胶、HTV、RTV、电子胶、油墨、颜料、染料、电子浆料、树脂、塑料、牙膏、化妆品等行业。使用粘度范围10,000cps~2,000,000cps左右。

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

型号 Type	缸体容积 Design volume (L)	投料容积 Feeding volume (L)	电机功率 Motor Power (KW)	自转/公转 Rotate/Revolution (RPM)	分散转速 Dispersing (RPM)	真空度 Vacuum
LXDLH-5	5	3	1.5*2	85/42	0~1500	-0.098Mpa
LXDLH-300	300	180	11*2	63/33	0~1500	-0.098Mpa
LXDLH-500	500	300	15*2	63/33	0~1500	-0.098Mpa
LXDLH-1000	1000	600	30*2	63/23	0~980	-0.098Mpa
LXDLH-2000	2000	1200	37*2	63/23	0~980	-0.098Mpa

GFJ 高速分散机系列

GFJ Series High-Speed Dispersion Machine



概述 Overview

该产品是我公司推出的一款通用型预搅拌、预分散设备。搅拌轴可以液压升降，分散盘采用变频调速线，速度可以达到18m/s。

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.

应用 Applications

广泛应用于涂料、油墨、油漆、乳胶漆、白乳胶、胶黏剂、硅胶、腻子粉、色浆等物料的生产过程。也可以与各种型号的三辊机、砂磨机、珠磨机、反应釜等设备配套组成成套生产线。

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.

规格 Type	GFJ1.5 Model A	GFJ4 Model A	GFJ5.5~7.5 (GFJ11) Model A	GFJ22 (GFJ30) Model A&B	GFJ37 Model A&B	GFJ45~75 Model A&B	GFJ90~200 Model B
电机功率 Motor power (kw)	1.5	4	5.5~7.5 (11)	22 (30)	37	45~75	90~200
分散轴转速 Speed (r/min)	0~1450	0~1450	0~1450	0~1450	0~1200	0~1200	0~1000
分散轮直径 Diameter (mm)	150	200	250	350	400	450	600
升降行程 Lift (mm)	800	800	900	1200	1200~1500	1500~2000	1800~2800
泵功率 Pump power (kw)	0.55	0.55	0.75	1.5	1.5	2.2	3
罐容量 Capacity (L)	50	200	400~600	600~1000	1000~2000	1000~2500	5000~8000
重量 Weight (kg)	360	400	800	1500	1700	2100	2600~3000
外形尺寸 External Dimensions (mm)	A	1260	1260	1770	2140	2140	2600
	B	1340	1300	1700	2260	2260	2800
	C	600	600	900	1100	1100	1200
	Wide	460	460	580	800	800	1000

DSJ/SZJ 蝶式搅拌机

DSJ/SZJ Butterfly Mixer



概述 Overview

该机是一种高效的搅拌混合设备，搅拌器采用三叶蝶式浆叶，在搅拌过程中可通过抽真空方式有效地提高产品质量。同时可边搅拌，边自动升降浆叶，提高生产效率。

1.DSJ系列为标准普通型，如需抽真空功能，可选择SZJ系列；两者其它参数相同。

2.由于本机生产的化工产品粘度较高，建议与本厂生产的高粘度物料挤出机配套使用。

High efficiency mixing equipment. The mixing device is three leaf butterfly blade. Vacuumize during mixing process to improve quality. Also, it can both mix and move up and down automatically to improve production efficiency.

1.DSJ Series products are standard common type. The vacuumize type is ZDJ series, other technical parameter same.

2.The machine is applicable for high viscosity chemical material. If there is some difficult in outlet when produce high viscosity material.the high viscosity extruder is suggested to use together with this machine.

应用 Applications

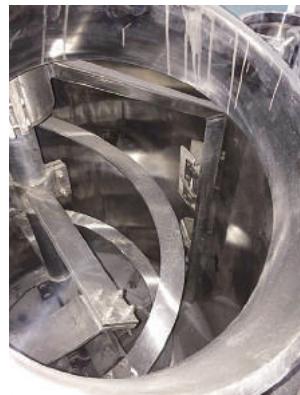
本机适用于高粘度腻子，胶粘剂及胶印油墨等相关化工产品的搅拌与混合工艺。

It's applicable for high viscosity putty, adhesive and offset ink industry.

规格 Type	DSJ-5.5/SZJ-5.5	DSJ-15/SZJ-15	DSJ-22/SZJ-22	DSJ-37/SZJ-37
主电机功率 Main motor power (kw)	5.5	15	22	37
搅拌浆转速 Mixing blade speed (r/min)	65/130	65/130	65/130	65/130
搅拌浆直径 Mixing blade diameter (mm)	570	870	970	1160
升降行程 Range of up and down (mm)	700	900	900	1200
液压系统压力 Hydraulic system pressure (mpa)	2	3	3	6.3
油泵电机 Oil pump motor (kw)	1.1	1.5	2.2	2.2
搅拌筒直径x高度 Tank diameter x height (mm)	600x500	900x750	1000x750	1200x1000

JBF 搅拌釜

JBF Reactor



概述 Overview

本机进行搅拌、分散时空气吸留极少，混合与调匀效果俱佳，用中或高速搅拌时可使物料迅速溶解，颗粒变小。

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

应用 Applications

适用于涂料、染料、颜料、造纸、胶粘剂等化工行业对液体及液固相物料进行搅拌、溶解和分散。

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.

规格 Type	JBF0.5m ³	JBF1m ³	JBF2m ³	JBF3m ³	JBF4m ³	JBF5m ³	JBF6m ³	JBF10m ³
电机功率 Motor power (kw)	11	15	30	37	45	55	75	110
分散轴转速 Speed (r/min)	0~1450	0~1450	0~1450	0~1450	0~1450	0~1450	0~1450	0~1000
料缸容积 Chamber (m ³)	0.5	1	2	3	4	5	6	10
调速形式 Speed controlled	电磁调速/变频调速 Buncher/Inverter			变频调速 Inverter Control				
分散盘直径 Disc diameter (mm)	250	300	350	380	400	450	500	550
外形尺寸 External Dimensions (mm)	D	800	1000	1450	1500	1600	1800	2200
	H	1000	1250	1575	1880	2180	2235	2360
	H1	850	1170	1380	1480	1570	1690	1740
								1850

LS 篮式砂磨机

LS Serial Basket Grinding Mill



概述 Overview

本机是一种集研磨分散功能于一体的新型化工设备。能源消耗低，生产效率高，操作简单，易维护，易清洗，换色方便。适用于独立式搅拌桶操作和高、低粘度的混浆。

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

应用 Applications

适用于涂料、油墨、农药、悬浮剂、造纸等行业物料的乳化、混合、分散，使用物料的细度分布均匀，通过强力的高速剪切比功能，在短时间内使产品达到要求。

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.

规格 Type	LS-1.5	LS-11	LS-22	LS-37
混浆容量 Paste capacity (L)	2~3	100~150	200~500	400~1000
主电机功率 Main motor power (kw)	1.5	11	22	30~37
主轴转速 Main shaft speed (r/min)	0~3000	0~800	0~600	0~500
升降行程 Range of up and down (mm)	260	800	900	1050
油泵电机功率 Oil pump power (kw)	-	0.75	1.1	1.5
重量 Weight (kg)	80	1500	2500	2800
外形尺寸 Overall size(L长×W宽×H高) (mm)	350x250x700	1860x710x1730	2145x860x1955	2600x920x2100

GJD 高速乳化机

GJD Serial Emulsifier



概述 Overview

本机是一种集研磨分散功能于一体的新型化工设备。能源消耗低，生产效率高，操作简单，易维护，易清洗，换色方便。适用于独立式搅拌桶操作和高、低粘度的混浆。

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

应用 Applications

适用于涂料、油墨、农药、悬浮剂、造纸等行业物料的乳化、混合、分散，使用物料的细度分布均匀，通过强力的高速剪切比功能，在短时间内使产品达到要求。

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.

规格 Type	GJD-1.5	GJD-11	GJD-22	GJD-37
混浆容量 Paste capacity (L)	2~3	100~150	200~500	400~1000
主电机功率 Main motor power (kw)	1.5	11	22	30~37
主轴转速 Main shaft speed (r/min)	0~3000	0~800	0~600	0~500
升降行程 Range of up and down (mm)	260	800	900	1050
油泵电机功率 Oil pump power (kw)	-	0.75	1.1	1.5
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实验用纳米砂磨机、分散机系列

Lab scale Nano sand mill, Disperser





WHD-12实验室纳米砂磨机
WHD-12 Lab Nano Stand Mill



WSD-0.4实验室纳米砂磨机
WSD-0.4 Lab Nano Sand Mill



GFJ-0.4~1.5实验室高速分散机
GFJ-0.4~1.5 High Speed Disperser/Basket Mill



GJD-0.4实验室高速乳化机
GJD-0.4 High Speed Emulsifier

实验用三辊机、搅拌机系列

Lab scale Three roller mill, Mixer



DS50三辊研磨机
DS50 Three Roller Mill



S65三辊研磨机
S65 three roller mill



ST65三辊研磨机
ST65 three roller mill



SST65三辊研磨机
SST65 three roller mill



S150镜面不锈钢三辊研磨机
S150 Mirror SS Three Roller Mill



LXDLH-5L实验型动力混合机
LXDLH-5L planetary power mixer



小高速分散机
Small rapid dispersion machine



LXDLHS-30中试动力混合机
LXDLHS-30 planetary power mixer

可选配置

Optional Configuration

可选操作界面 Operation Interface(opt)



Ex Touch Screen



Rotating Touch Screen Panel



Touch Screen



Ex PLC Control cabinet



Ex Control cabinet

可选PLC、辅助冷却系统

PLC, Auxiliary cooling system (opt)



进口 Imported PLC

可选变频器

Inverter (opt)



进口变频器 Imported Inverter

可选输送系统

Conveying System (opt)



齿轮泵 Gears Pump



辅助冷却系统
Auxiliary Cooling System



国产变频器 Domestic Inverter



气动隔膜泵 Diaphragm Pump

常用参数对照表

Universal Parameters Table

研磨介质的物理特性 Physical Properties of Milling Media

主要成份 Composition		比重 Specific Gravity	堆积密度 Bulk Density (kg/l)	硬度 Hardness (kgf/mm ²)	结构 Structure	颜色 Color
钢珠 Steel	Fe	7.8	4.7	180		灰色 Gray
玻璃 Glass	SiO ₂	2.5	1.6~1.9	600		透明 Transparent
氧化铝 Alumina	Al ₂ O ₃	3.8	2.3	1500		象牙白 White/ivory
硅锆珠 Zircon	ZrO ₂ +SiO ₂	3.8	2.4	900		白色 White
铈锆珠 Ce-TZP	ZrO ₂ +CeO ₂	6.2	3.8	1200		棕色 Brown
95锆珠 Y-TZP	ZrO ₂ +Y ₂ O ₃	6.0	3.6~3.8	1300		象牙白 White/ivory

材质比较 Material Comparison

性质	氧化铝 Alumina	氧化锆 Zirconia	碳化硅 SiC	氮化硅 Silicon nitride	碳化钨 Tungsten Carbide	碳钢 Carbon Steel
密度 (g/cm ³) Density	3.9	6	3.2	3.3	15	7.8
热传导率 (w/m.k) Thermal Conductivity	28	1.8	126	27	63	51.9
热膨胀系数 (10 ⁻⁶ /°C) Thermal Coefficient	8	10.1	4	2.3	6	13.6
微硬度 (kgf/mm ²) Hardness	1440	1350	2300	1500	1600	126

研磨介质的规格和数量 Beads Size & Quantity

每升介质(研磨珠)的数量 Beads pcs/liter		每升介质(研磨珠)的数量 Beads pcs/liter		每升介质(研磨珠)的数量 Beads pcs/liter	
0.1	1,215,854,000	0.65	4,427,000	1.6	296,000
0.2	151,981,000	0.8	2,374,000	1.75	226,000
0.3	45,031,000	1	1,215,000	2	151,000
0.4	18,997,000	1.25	622,000	2.3	99,000
0.5	9,726,000	1.5	360,000	2.5	77,000



设备生产现场

Field of production for equipment





产品使用现场

Field of use for product





产品使用现场

Field of use for product





我们服务过的企业(部分)/Our Customers (part)...排名不分先后



北大先行



北方奥钛



贝特瑞



重庆特瑞



中国科学院



比亚迪电子



南京理工大学



泓源光电



苏州大学



江南大学



中国电子科技集团



无锡儒兴



苏州开元民生



中国石化



中航北京航空材料研究院



深圳圣龙特电子



富士康



上海飞凯光电



中蓝晨光



东营嘉颐



DOW道康宁



云南铜业



3M



日本迈图



西卡



益海嘉里



汤臣倍健



百乐嘉利宝



徐福记食品



欧诗漫



海王制药



深圳普诺信



拜耳



中山化工



江阴苏利化工



BASF巴斯夫



杜邦



南京红太阳



新安化工股份



中海油



江苏兰陵化工集团



阿克苏



立邦涂料



佐敦涂料



乐通化工



浩力森(上海)



KCC



PPG



台湾连泓



浙江纳美



美涂士



大宝漆



中亚油墨



深赛尔



浙江美浓



东洋油墨



洋紫荆油墨



DIC油墨



阪田油墨



杜比油墨



中钞油墨



牡丹油墨



泗联油墨



海盐华达油墨



杭华油墨



盛威科油墨



科斯伍德油墨



新东方油墨



浙江华宝油墨



天女化工集团



成都托展



英科水墨



中益油墨涂料



天龙油墨



翔川油墨

我们的供应商(部分) / Our Suppliers (part)...



博格曼



施耐德电气



ABB



派克



西门子



NSK轴承



SKF轴承



欧姆龙



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