

Integrated Solution For Powder Coatings

粉末涂料一体化解决方案

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关于我们 about us

Yantai Lingyu
Machinery Co., Ltd.

凌宇自1999年成立，致力于粉末涂料制粉设备研制，包括混合机、挤出机、压片机、磨粉机、邦定机及实验室设备等。凌宇拥有雄厚的技术力量和丰富的实践经验，可以根据不同的粉末涂料生产需求配置上百种不同型号的粉末涂料加工设备，完全满足粉末涂料行业的所有要求。

凌宇始终坚持以客户需求为导向，从产品设计、加工、装配、调试到售后与配方培训，切实为客户提供最专业的解决方案。凭借产品优异的性能和高质量的服务与众国内外众多粉末涂料领军企业保持长期合作关系。

凌宇将继续以创新促发展，不断推陈出新，持续为客户提供安全、可靠、先进的优质产品。

Founded in 1999, Lingyu specialises in the development and manufacturing of powder coating processing equipment. Product line includes mixer, extruder, cooling belt, mill system, bonding mixer and laboratory equipment. With industry-leading development capabilities and decades of expertise in powder coating production, Lingyu provides individualised powder coating equipment solution to suit every demand of the industry.

Lingyu provides full and integrated process solutions for manufacturers of powder coatings, from the design stages, manufacturing to commissioning and formula support. Everything is covered for your peace of mind and your customer's satisfaction. Backed by our equipment's performance and dedicated aftersales service, we have enjoyed long-term partnerships with leading powder coating manufacturers internationally.

Whether you require a standalone equipment or the design and commissioning of an entire new plant, Lingyu will work with you closely to design the ideal solution to match your specific needs, with safe, reliable and leading Lingyu equipment.

粉末涂料一体化解决方案 Integrated Solution For Powder Coatings



高新技术企业
High-Tech Enterprise



ISO质量体系
ISO Management
Certificates



CE认证
CE Certification



ATEX防爆
ATEX Certified



多项产品专利
Multiple
Product Patents

目录

contents

01 生产线
Production System

P07 立体生产线
POWDER COATING PRODUCTION SYSTEM

02 自动配料系统
Automatic Dosing System

P09 自动配料系统
AUTOMATIC DOSING SYSTEM

P10 自动称重系统
AUTOMATIC WEIGHING SYSTEM

03 混合机
Mixer

P11 FHJ 系列翻转混合机
FHJ SERIES CONTAINER MIXER

P13 PHJ 系列高速混合机
PHJ SERIES HIGH SPEED PRE-MIXER

P14 VHJ 系列 V 型混合机
VHJ SERIES V TYPE MIXER

SHJ 系列三维均混器
SHJ SERIES POST-MIXER

P31 LCM 系列翻转混合机
LCM SERIES CONTAINER MIXER

P33 LHM 系列高速混合机
LHM SERIES HIGH-SPEED MIXER

04 邦定机
Bonding Mixer

P15 BDM 系列金属粉邦定混合机
BDM SERIES METALLIC BONDING MIXER

05 挤出机
Screw Extruder

P17 SLJ 系列双螺杆挤出机
SLJ SERIES TWIN SCREW EXTRUDER

P35 LTX 系列双螺杆挤出机
LTX SERIES TWIN-SCREW EXTRUDERS

06 压片机
Cooling Belt

P21 YPW 系列水冷钢带压片破碎机
YPW STEEL BELT COOLER

P23 YPJ 系列风冷链板式压片破碎机
YPJ SERIES AIR COOLING BELT

P25 YPR 系列辊式压片机
YPR SERIES DRUM COOLER

P39 LCB 系列钢带压片机
LCB STEEL BELT COOLER

P41 LCD 系列辊式压片机
LCD SERIES DRUM COOLER

07 磨粉机
Grinding System

P29 LYF 系列立式磨粉机
LYF SERIES GRINDING SYSTEM

P43 ACM 系列磨粉系统
ACM SERIES GRINDING SYSTEM

08 实验室设备
Lab Equipment

P45 实验室双螺杆挤出机
LAB TWIN SCREW EXTRUDER

P47 实验室磨粉机
LAB GRINDING SYSTEM

P51 配件服务
ACCESSORY SERVICES

09 售后服务
Service

P53 售后服务
SERVICE

自动化集成粉末涂料生产线

POWDER COATING PRODUCTION SYSTEM



自动化集成粉末涂料生产线

POWDER COATING PRODUCTION SYSTEM



自动化立体生产线

Powder Coating Production System



凌宇粉末独有的薄涂制粉立体线工控系统，完全实现了全程自动化。在生产的过程中随时可调整粒径的大小，提高产量的同时又降低了劳动力成本。

Lingyu's proprietary industrial control system for powder coating integrated production lines ensures a high degree of automation across the entire production process. Particle sizes can be easily adjusted at any point during production, enhancing output and reducing labor requirements.

自动化集成粉末涂料生产线是凌宇公司的发明专利产品（专利号 ZL200510042341.6），为客户提供追求效率最大化生产流程简化的最优解决方案。自动化集成系统将传统生产线的所有组件进行布置和编程，实现高度自动化最大限度地提高生产效率，其全封闭的生产过程，可以最大限度地减少粉末污染。自动化集成系统每小时产量 80 至 2000 公斤，粒径分布 18-60 微米可自由调节。

Invented by Lingyu, the Automatic Integrated Production System (Patent No. ZL200510042341.6) is the preferred solution for customers seeking to optimize efficiency and streamline their production processes. This system arranges and programs all the components of a traditional production line for maximum production efficiency. It is fully integrated into the production process to minimize powder contamination. The automatic production systems are available for various production outputs, ranging from 80kg/hr to 2000kg/hr. Additionally, the particle distribution can be adjusted within the range of 18 to 60 micrometers.

特点

Features

占地面积少，空间利用率高

Small footprint, freeing up more floor space for other production tasks.

降低作业、生产成本

Lowered overall running cost.

噪音低

Low noise.

绿色环保

Sustainable, environmentally friendly.

生产自动化，生产效率高

Highly automated production cycles delivering higher efficiency.

粒径分布可调、稳定

Adjustable and stable particle size distribution.

操作简便、易于清机换色

implified operation, easy clean cycle and colour change.



自动配料系统特点

Features of Automatic Dosing System

配料准确稳定，电脑记录配方，全自动配料
Automated and accurate dosing, formula centrally recorded by industrial computer. Integration available with ERP/MES systems.

称重仪器称重准确无误
Accurate weighing modules ensuring precise dosing.

生产成本低，作业强度低
Lowered running cost and labour.

立体式积料仓储空间，占地少，空间利用率高
Vertical storage units, lowered footprint, improved space utilization.

改变传统的进料小包装，节省包装费用
Save on raw material packaging costs as traditional small bags are no longer needed.

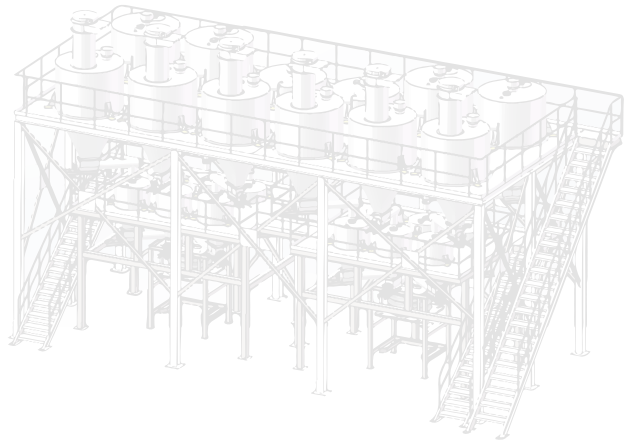
自动化立体生产线主要技术参数

Technical Data of Powder Coating Production System

型号 Model	产量 (kg/hr) Output	混合机 Mixer	挤出机 Extruder	压片机 Cooler	磨粉机 Mill	占地面积(m²) Working Area	操作工人 Operator	噪音污染 Noise Level
FL-100	80-120	FHJ-100/ PHJ-150	SLJ-36	YPW-526/ YPJ-408/ YPR-100	LYF-07	10	1	≤80DB
FL-200	150-200	FHJ-300/ PHJ-300	SLJ-41	YPW-640/ YPJ-5010/ YPR-300	LYF-20	40-50	1	≤80DB
FL-300	300-400	FHJ-300/ PHJ-500	SLJ-50	YPW-850/ YPJ-5012/ YPR-500	LYF-30	40-50	1	≤80DB
FL-500	500-700	FHJ-600/ PHJ-500	SLJ-65	YPW-1070/ YPJ-6012/ YPR-1000	LYF-45	50-60	1-2	≤80DB
FL-800	800-1000	FHJ-1000/ PHJ-800	SLJ-75	YPW-1270/ YPJ-7012	LYF-60	55-71	1-2	≤80DB
FL-1000	1000-1500	FHJ-1500	SLJ-95	YPW-1570	LYF-70	72-80	1-2	≤80DB

自动配料系统

AUTOMATIC DOSING SYSTEM



数据化网络化智能化符合现在粉末行业企业发展方向，一步到位解决配料现场的粉尘问题, 提高生产效率。

As the industry transitions towards greater digital and intelligent production, Lingyu has introduced the Automatic Dosing System to simultaneously reduce dust and enhance efficiency.

全自动称重系统

AUTOMATIC WEIGHING SYSTEM



编程系统自动完成空箱输送、注料、称重和满箱下线。

Programmed system to supply empty cartons, automate powder dispensing and weighing, and deliver filled cartons.

全自动称重系统特点

Features of Automatic Weighing System

全自动运行，称重精度高
Fully automated operation with high weighing accuracy.

自动识别包装箱规格，注入与包装箱规格相对应的设定重量
Automatically identifies packaging box specifications and injects the preset weight corresponding to the packaging box specifications.

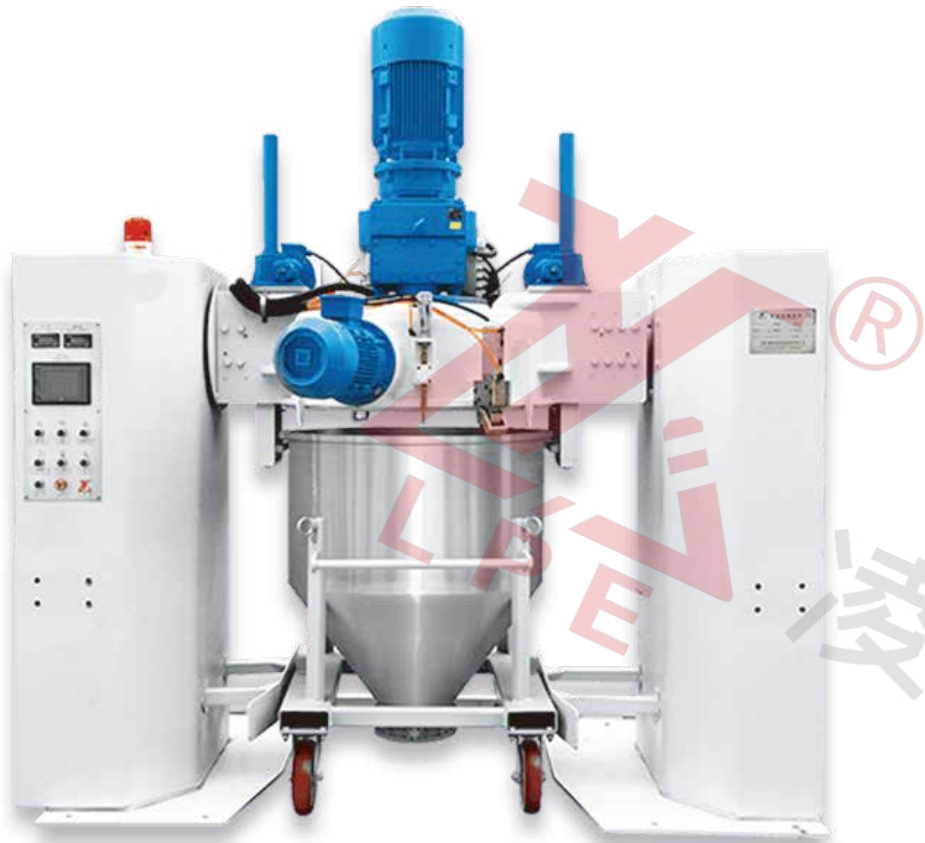
真空系统自动除尘、无污染
Vacuum system recycles escaping powder, minimising contamination.

单人操作，生产成本低，效率高
Single person operation, low production cost, high efficiency.

提供2米，2.5米，3米的不同长度供选择
Available in different lengths for selection: 2.0m, 2.5m, and 3.0m.

FHJ 系列翻转式自动混合机

FHJ SERIES CONTAINER MIXER



FHJ-600翻转混合机
FHJ-600 Series Container Mixer



FHJ-150单臂混合机
FHJ-150 Container Mixer

主要技术参数 Technical Data

型号 Model	容积 (L) Volume	搅拌电机功率(kW) Mixer Motor	破碎电机功率(kW) Crusher Motor	翻转电机功率 (kW) Rotator Motor	外形尺寸 (mm) Dimension(L*W*H)
FHJ-150	150	4-5.5	-	0.37-0.55	1200×1420×2000
FHJ-300	300	9.2-11	3-4	0.75-1.1	2400×1700×2600
FHJ-600	600	15-18.5	4-5.5	0.75-1.1	2700×1800×2950
FHJ-1000	1000	22-37	5.5-7.5	1.1-1.5	2900×2000×3300
FHJ-1500	1500	30-37	5.5-7.5	1.5-2.2	3300×2200×3400
FHJ-2000	2000	45-55	5.5-7.5	2.2-3.0	3500×2400×3600

特点 Features

混合快速均匀

Homogenous mixing.

易于清机换色、维护方便

Simple maintenance, easy clean cycle & colour chang.

密封性强、不漏粉

Reliable seal, no powder leakage.

自动控制

Automatic control

高安全性

Designed with operational safety in mind.

灵活定制

Flexible customization.

FHJ 系列混合机采用可移动式料斗，适用于各种粉末及粒状材料的混合搅拌。装有待混合原料的料斗推到工位后，自动控制系统将其提升，与搅拌头（可配置冷却水套）安全锁定。料斗与搅拌头一起翻转 180 度，在搅拌桨和破碎轮的作用下，完成对物料的搅拌和混合。混合完成后，料斗自动回到原位，与搅拌头分离。

The Lingyu FHJ Series Container Mixer is equipped with a portable mixing container, it is suitable for mixing various powder and granular materials. Once the filled container is in position, automatic control system will lift up the container and securely lock in with the mixing head (optional water chilled mixing head is available). The mixing assembly will rotate 180 ° and provide a homogenous mixing with its precisely engineered mixing blades and crushing head. When mixing program is finished, the container will be returned to position.

PHJ 系列高速混合机

PHJ SERIES HIGHSPEED PRE-MIXER



PHJ-500立式混合机

PHJ-500 High Speed Pre-Mixer

PHJ 系列高速混合机适用于各种粉末状、块状固体化工原料混合, 在搅拌桨和破碎轮的作用下, 对物料进行搅拌和混合。

The PHJ series high-speed mixer is designed to deliver homogenous mixing result for powder and granular type raw materials. The material is crushed and mixed evenly when actioned by the mixer’ s mixing blades and crushing head.

主要技术参数

Technical Data

型号 Model	容积 (L) Volume	混合时间 (min) Mixing Time	搅拌电机功率(kW) Mixing Motor	破碎电机功率(kW) Crushing Motor	外形尺寸 (mm) Dimension(L*W*H)
PHJ-10	14	3-5	1.1	0.37	790*540*680
PHJ-30	50	3-5	3	0.37	1000*650*1020
PHJ-100	160	3-5	5.5	3	1300*1000*1350
PHJ-150	240	3-5	7.5	3	1500*1150*1450
PHJ-300	550	3-5	11	4	1740*1430*1780
PHJ-500	1000	3-5	22	5.5	2140*1750*2110
PHJ-600	1100	3-5	22	5.5	2140*1750*2160
PHJ-800	1200	3-5	30	5.5*2	2180*2080*2280
PHJ-1000	1300	3-5	30	5.5*2	2200*2100*2350

特点

Features

密封性强、不漏粉

Reliable seal, no powder leakage.

温升低、效率高

Low temperature rise, high efficiency.

操作安全

Safe to operate.

自动控制、混合均匀

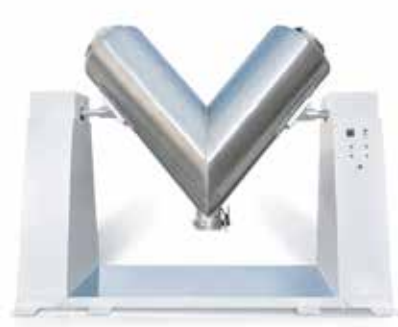
Automatic control, uniform mixing.

易于清机换色

Easy to clean and change colors.

VHJ 系列 V 型混合机

VHJ SERIES V TYPE MIXER



VHJ-500V型混合机

VHJ-500 V Type Mixer

此系列混合机广泛应用于制药、化工、食品等行业, 由 2 个不对称筒体组成, 物料可作纵横方向流动, 本机采用重力混合, 对物料压力小, 混合均匀度高, 无泄漏及粉尘飞扬。

The V-series mixer is widely used in pharmaceutical, chemical, food, and other industries. It consists of two asymmetric cylindrical bodies, allowing material to flow in both longitudinal and transverse directions. This machine employs gravity mixing, which exerts minimal pressure on the materials, resulting in high uniformity of mixing, with no leaks or dust dispersion.

主要技术参数

Technical Data

型号 Model	容积 (L) Volume	混合时间 (min) Mixing Time	搅拌电机功率(kW) Mixing Power	外形尺寸 (mm) Dimension(L*W*H)
VHJ-100	100	8-12	1.5-2.2	2100*980*1500
VHJ-150	150	8-12	2.2-3	2733*1000*2258
VHJ-500	500	8-12	4-5.5	3500*1000*2800
VHJ-800	800	8-12	5.5-7.5	3860*1890*2700
VHJ-1000	1000	8-15	9.2-11	3940*1230*3050

SHJ 系列三维均混器

SHJ SERIES POST-MIXER



SHJ-1000三维均混器

SHJ-1000 Post-Mixer



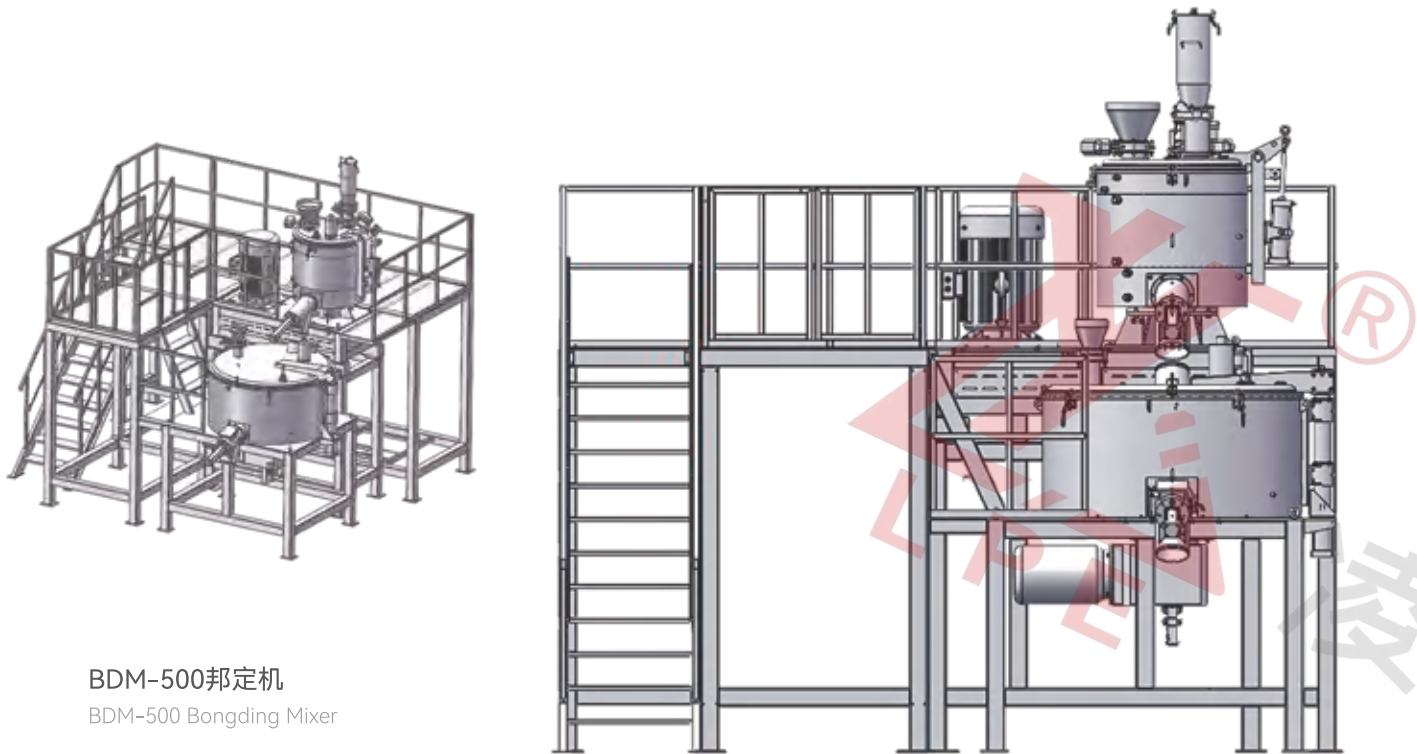
主要技术参数

Technical Data

型号 Model	容积 (L) Volume	混合时间 (min) Mixing Time	搅拌电机功率(kW) Mixing Power	翻转电机功率(kW) Tilting Power	外形尺寸 (mm) Dimension(L*W*H)
SHJ-500	500	8-12	4-5.5	4-5.5	2300*1200*2800
SHJ-800	800	12-15	5.5-7.5	5.5-7.5	2800*1600*3000
SHJ-1000	1000	12-15	5.5-7.5	5.5-7.5	3000*1600*3100
SHJ-1500	1500	15-20	9.2-11	5.5-7.5	3200*1800*3200

BDM 系列邦定机

BDM SERIES BONDING MIXER



BDM-500邦定机
BDM-500 Bongding Mixer

BDM 系列金属粉邦定混合机是将金属颜料粘结到粉末涂料颗粒表面,形成金属质感的专用设备。
该设备混料罐采用惰性气体吹洗, 配有防爆系统和双重密封系统, 邦定罐和冷却罐配有夹层水冷系统, 罐体采用大圆弧设计, 折流板的角度和高低可任意调节, 自洁性好, 升温均匀。

The BDM series metallic powder bonding mixer is a specialized device used for binding metallic pigments onto the surface of powder coatings to create a metallic texture.
This equipment features an inert gas purging mixing tank and is equipped with an explosion-proof system and a double-sealing system. The bonding tank and cooling tank are equipped with a sandwich water cooling system. The tank body is designed with a large arc, and the angle and height of the baffles can be adjusted freely. It has good self-cleaning properties and provides uniform heating.



BDM单锅邦定机
BDM Series Metallic Bonding Mixer



BDM-08邦定机
BDM -08 Bonding Mixer

主要技术参数 Technical Data

型号 Model	总容积(L) Total Volume	时间(分) Time (min)	功率(kW) Power	时间(分) Time (min)	功率(kW) Power	冷却介质 Cooling Medium	生产用气体 Gas
		热混/Hot Mixing		冷混/Cold Mixing			
BDM-08	8	10-30	0.75-1.1	5-20	0.75-1.1	冰水≤15° Chilling Water≤15°	惰性气体N ₂ Inert Gas N ₂
BDM-50	50	10-30	0.55-7.5	5-20	2.2-3		
BDM-100	100	10-30	18.5-22	5-20	4-5.5		
BDM-200	200	10-30	22-30	5-20	55-7.5		
BDM-300	300	10-30	30-37	5-20	9.2-11		
BDM-500	500	10-30	85-55	5-20	18.5-22		
BDM-600	600	10-30	55-75	5-20	18.5-22		

特点 Features

采用气动阀门控制, 排料干净、彻底
Utilizes pneumatic valves for control, ensuring a clean and thorough discharge of materials.

全自动控制、PLC实时显示
Fully automatic control with real-time display on PLC.

易于清机换色
Simple to clean and switch colors.

防爆系统、操作安全
Explosion-proof system for safe operation.

设备配置氮气发生器 (选购)
Nitrogen generator for equipment configuration. (Optional)

SLJ 系列双螺杆挤出机

SLJ SERIES TWIN SCREW EXTRUDER



SLJ-65双螺杆挤出机
SLJ-65 Twin Screw Extruder

凌宇 SLJ 系列双螺杆挤出机, 广泛适用于从聚酯, 环氧, 混合型到回收粉的所有粉末涂料配方。凌宇在生产三千多台应用于粉末涂料领域的双螺杆挤出机所积累的经验与技术的基础上, 在工程师的继续研发下, 可适用于更广泛的行业应用。凌宇采用高品质配件来确保挤出机系统的优质性能与稳定性, 大幅度降低用户全产品周期的投资成本。

The Lingyu SLJ Series Twin Screw Extruder is precisely engineered for powder coating applications, from small batch to continuous high-output production, it is suitable for all powder coating formulations, including polyester, epoxy, hybrids, acrylic and fines recycling. Based on the experience and technical expertise of having engineered and commissioned more than 3000 SLJ Series Extruders worldwide, Lingyu continues to innovate to make sure the SLJ series can be used in more industry applications. SLJ Series adopts high quality components to ensure its industry leading performance and reliability, ensuring maximum return on investment for powder coating manufacturers throughout its long life-cycle.



SLJ-65双螺杆挤出机
SLJ-65 Twin Screw Extruder

主要技术参数 Technical Data

型号 Model	产量(kg/h) Output	螺杆转速(rpm) Screw Speed	长径比 L/D Ratio	主电机功率(kW) Motor Power	加热功率(kW) Heating Power	外形尺寸(mm) Dimension(L*W*H)
SLJ-35	80-120	0-600	14-48	15-22	3.5-18	3000*800*1400
SLJ-41	150-200	0-600	14-48	15-22	4-20	2800*1260*2100
SLJ-50	350-500	0-800	14-48	30-45	6-24	2700*1400*1800
SLJ-65	600-800	0-800	14-48	55-90	8-36	3400*1150*1700
SLJ-75	700-900	0-800	14-48	75-110	11-44	3400*1150*1800
SLJ-95	1000-1500	0-600	14-48	110-132	8-55	3900*1200*2000

特点 Features

高精度螺筒, 模块式组合, 液压开启螺套, 便于清机换色
Precisely engineered hydraulic operated modular barrel, providing maximum convenience for cleaning and colour change.

螺纹块和混炼块可根据粉末涂料生产工艺要求优化配置
Screw and kneading elements can be customised for maximum optimisation of all powder coating formulations.

分散混合充分均匀, 自清洗能力强, 无固化颗粒
Homogenous kneading and dispersion, with clean-in-place design, minimum solidified particle.

齿轮箱配备独立润滑及冷却系统, 高扭矩, 静音耐磨
Gearboxes equipped with independent lubrication and cooling systems, power and torque tuned for powder coating production, low noise and wear resistant.

喂料系统采用计量螺杆, 均匀准确, 配置防呆空装置
Feeding system equipped with anti-bridging device and metering screw to deliver accurate and even dosing.

自动控制、PLC实时显示
Automatically controlled, real-time PLC monitoring.

循环水系统由换热器、水泵、水箱等组成的水冷却循环系统
Precise temperature control.

产量大, 能耗低, 故障率极低
Designed to deliver maximum output with minimum downtime and energy cost.

设备配有扭矩限制器和金属剔除器 (选配)
Optional torque limiter and metal separator for configuration.

定制特殊用途挤出机

CUSTOMIZED EXTRUDERS FOR SPECIAL APPLICATIONS



YPW 系列水冷钢带压片机

YPW SERIES STEEL BELT COOLER



YPW 水冷钢带压片机

YPW Steel Belt Cooler

YPW 系列不锈钢带压片机由冷却压辊、不锈钢输送带、破碎和冷却水喷淋系统组成。冷却水喷淋系统用于不锈钢带的冷却。挤出机挤出的热熔融状物料经冷却辊压成 1-2mm 带状，在不锈钢带上输送过程中冷却至常温，破碎成片状物料排出。满足了从实验室到量产的要求，是理想的压片生产设备。

The YPW series stainless steel belt cooler comprises cooling rollers, a stainless steel conveyor, a crusher, and a cooling water spray system. The cooling water spray system is used to cool the stainless steel belt. The extruder's hot, molten material is pressed into thin sheets, approximately 1-2mm in thickness, by the cooling rollers. As it travels along the stainless steel conveyor, it gradually cools to room temperature before being crushed into chip-like material and discharged. This series of cooling belts can cater to production needs ranging from laboratory-scale to large-scale, making it an ideal choice for chip production.



YPW 水冷钢带压片机

YPW Steel Belt Cooler

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Output	钢带有效长度(mm) Belt Effective Length	钢带宽度(mm) Belt Width	挤压/输送/破碎功率(kW) Squeezing/Conveying /Crushing Power	压辊直径(mm) Extrusion Roller Diameter	外形尺寸(mm) Dimension(L*W*H)
YPW-850	200-300	5000	800	1.5/1.5/1.5	418/240	6000*1500*1600
YPW-1050	300-400	5000	1000	1.5/1.5/1.5	418/240	6000*1700*1800
YPW-1070	400-500	7000	1000	1.5/1.5/1.5	418/240	8000*1700*1800
YPW-1260	500-600	6000	1200	1.5/1.5/1.5	418/240	7000*1900*1800
YPW-1270	700-800	7000	1200	1.5/1.5/1.5	418/240	8000*1900*1800
YPW-1570	1000-1200	7000	1500	3.2/2.2/1.5	418/240	8000*1900*1800

特点

Features

操作安全，机架配有拉线式急停开关，压辊设有反向运转功能

Operates safely, with a pull-cord emergency stop switch on the frame and a reverse function for the pressure rollers.

片料大小均匀，片料厚度和压辊钢带速度可调

Uniform chip size, adjustable chip thickness, and speed of roller.

采用清洁冷水冷却物料，防止片料污染

Utilizes clean, cold water for material cooling, preventing contamination of the chips.

高品质锐博奥氏体或马氏体钢带，能长期承受动态拉力和温度变化

High-quality Rebo® stainless steel belt, designed to endure prolonged dynamic tension and temperature variations.

压辊采用蝶片式弹簧调节，有效的保护压辊

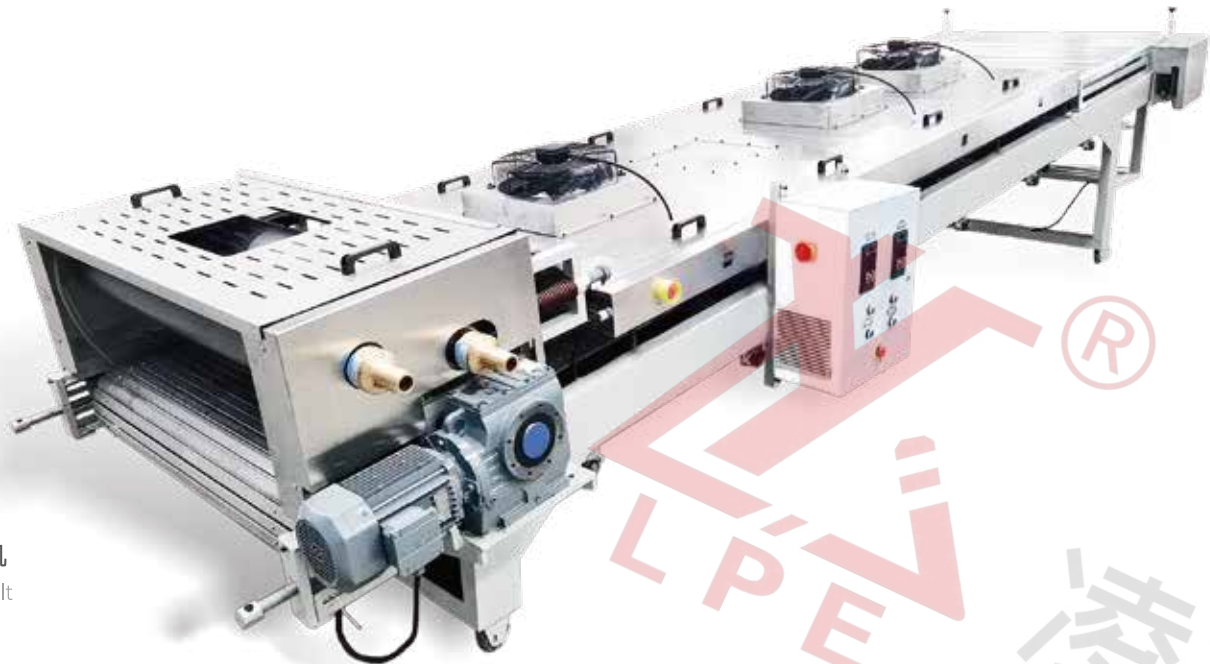
The pressure rollers are equipped with butterfly-type spring adjustment for effective protection.

噪音低，生产效率高，易于清机和维修

Low noise, high production efficiency, easy to clean and maintain.

YPJ 系列风冷链板式压片机

YPJ SERIES AIR COOLING BELT



YPJ 风冷压片机
YPJ Air Cooling Belt

YPJ 系列不锈钢链板压片机由冷却压辊、不锈钢节片输送带、破碎和风冷系统组成。挤出机挤出的热熔融状物料经冷却压辊压成 1-2mm 片状, 在不锈钢节片输送带上风冷至常温, 破碎成片状物料排出。设备机架两侧配有拉线式急停开关, 压辊设有反向运转功能, 安全保护系统完善。

YPJ Series Air Cooling Belt consists of cooling rollers, a stainless steel belt conveyor, crushing, and an air cooling system. The extruder produces hot molten material, which is then pressed into 1-2mm thick sheets by the cooling and pressing rollers. These sheets are cooled to room temperature on the stainless steel segment conveyor belt and subsequently crushed into particle-shaped materials for discharge. The equipment frame is equipped with pull-type emergency stop switches on both sides, and the rollers have a reverse operation function, ensuring a comprehensive safety protection system.



YPJ 风冷压片机
YPJ Air Cooling Belt

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Capacity	履带长度(mm) Length of Belt	履带宽度(mm) Width of Belt	压片辊直径(mm) Diameter of Press Roller	驱动电机功率(kW) Drive Motor Power	风扇电机功率(kW) Fan Motor Power	外形尺寸(mm) Dimension (L*W*H)
YPJ-103	30-50	1400	260	131/131	0.55	0.021*2	1750*700*960
YPJ-205	60-100	2200	500	216/156	1.1	0.075*2	2600*900*1200
YPJ-305	100-120	3000	500	216/156	1.5	0.075*2	3150*900*1300
YPJ-307	120-150	3000	700	216/156	1.5	0.075*2	3350*1100*1300
YPJ-408	150-250	4000	800	216/156	1.5	0.075*2	4400*1250*1480
YPJ-5010	250-350	5000	1000	216/156	1.5	0.108*2	5400*1700*1500
YPJ-5012	400-600	5000	1200	318/216	2.2	0.108*3	5400*2000*1530
YPJ-6012	500-800	6000	1200	318/216	2.2	0.108*3	6400*2000*1530
YPJ-7012	800-1000	7000	1200	420/216	2.2	0.108*4	7400*2000*1550

特点

Features

片料厚度和压辊履带速度可调, 片料大小均匀
Adjustable material thickness and roller track speed for consistent piece sizing.

不锈钢链板履带, 半封闭冷却系统
Stainless steel belt strips and semi-hermetic cooling system.

压辊和破碎设有机械过载保护装置
Roller and crusher equipped with mechanical overload protection.

调整压辊采用蝶片式弹簧调节, 有效的保护压辊
Roller adjustment with butterfly spring mechanism for effective roller protection.

能耗低, 易于清机和维修
Low energy consumption, easy to clean and maintain.

配有空气过滤, 冷热交换系统 (选配)
Equipped with air filter and heat exchange system (optional).

YPR 系列辊式压片机

YPR SERIES DRUM COOLER



YPR-100辊式压片机
YPR-100 Drum Cooler

主要技术参数 Technical Data

型号 Model	产量(kg/hr) Output	大辊直径(mm) Big Roller Diameter	小辊直径(mm) Small Roller Diameter	PU带宽度(mm) PU Belt Width	破碎电机功率(kW) Crushing Power	输送电机功率(kW) Conveying Power	外形尺寸(mm) Dimension(L*W*H)
YPR-50	40-60	320	130	400	0.12-0.2	0.75-1.1	855*950*860
YPR-100	80-120	420	155	600	0.55-0.75	1.1-1.5	1380*1410*1040
YPR-200	200-250	600	215	1000	0.75-1.1	1.5-2.2	1580*1855*1550
YPR-300	350-400	600	215	800	0.75-1.1	1.5-3.0	1600*1850*1590
YPR-500	400-500	880	240	1000	0.75-1.1	2.2-3.0	1800*1986*1530
YPR-1000	600-800	1000	240	1300	1.1-1.5	2.2-3.0	2300*2150*1840

特点 Features

采用大直径冷却辊筒，冷却效率高，运行成本低
 Large diameter cooling roller, high cooling efficiency, low operating cost.

片料厚度可调、大小均匀，无污染
 Customizable chip thickness and consistent, contamination-free sizing.

设备尺寸合理，节省空间
 Equipment size is reasonable, saving space.

破碎设计更合理，密封性好，无飞溅，无漏料
 Enhanced crusher design for improved efficiency, excellent sealing, zero splashing, and zero material leakage.

操作安全，压辊设有反向运转功能
 Safe to operate, the roller is equipped with reverse operation function.

冷却效果佳
 Excellent cooling effect.

YPR 系列辊式压片机为我公司专利产品，在保证产量的前提下，以 PU 带代替传统的长钢带。该系列压片机由压辊、冷却辊、PU 带和破碎组成。挤出机挤出的热熔融状物料经压辊和冷却辊压成 1-2mm 片状，在输送过程中由冷却辊继续冷却至常温，输送至破碎机，破碎成片状物料排出。

The YPR Series Drum Cooler is a patented product by our company. While ensuring the same production output, it replaces the traditional long steel belt with a PU belt. This series of drum coolers consists of a cooling roller, cooling drum, PU belt, and crusher. The hot-melt material extruded from the extruder is compressed into thin sheets with a thickness of 1-2mm by the cooling roller and drum. As it is conveyed, it continues to cool down to room temperature thanks to the cooling drum. Subsequently, the material is crushed into chips and discharged.



YPR-100辊式压片机
YPR-100 Drum Cooler

定制特殊用途压片机

CUSTOMIZED PRESS SYSTEM FOR SPECIAL APPLICATIONS



双层钢带压片机由溢流槽喂料器和钢带冷却器构成。液状产品经由底部水冷却的钢带固化成均匀的薄层。橡胶挡条阻止产品溢出钢带的边缘。在冷却器末端，破碎机将固化层破碎成不规则的小片。双层钢带冷却，以减少设备占地面积和进一步提高冷却换热效率。是化工产品、食品的理想压片机生产设备。

The Double Press System consists of an overflow weir feeder and a steel belt cooler. Liquid products are solidified into a uniform thin layer on the steel belt, with cooling achieved through water spraying from the underside. Rubber retaining strips prevent product spillage over the belt's edges. At the end of the cooler, a crusher breaks down the solidified layer into irregular small flakes. The utilization of double-layer cooling belts reduces equipment footprint and enhances cooling and heat exchange efficiency. This machine is the ideal flaking equipment for processing chemical and food products.

应用范围

Features

树脂（环氧，聚酯等）

Resins(epoxy,polyester,etc.)

助剂和颜料

Aditives and pigments

新戊二醇

Neopentyl glycol

汽车行业轮测试

Tire testing in automobile industry

主要技术参数

Technical Data

型号

Model

钢带宽度(mm)

Belt Width

有效冷却长度(mm)

Belt Effective length

RDB1000-L25

1000

5000-25000

RDB1200-L25

1200

5000-25000

RDB1500-L25

1500

5000-25000

人造板

Artificial board

建筑化工

Architectural chemicals

橡胶行业

Rubber Industry

薄膜流延

Thin film casting

粘合剂

Adhesives

石蜡

Parafin wax

食品行业

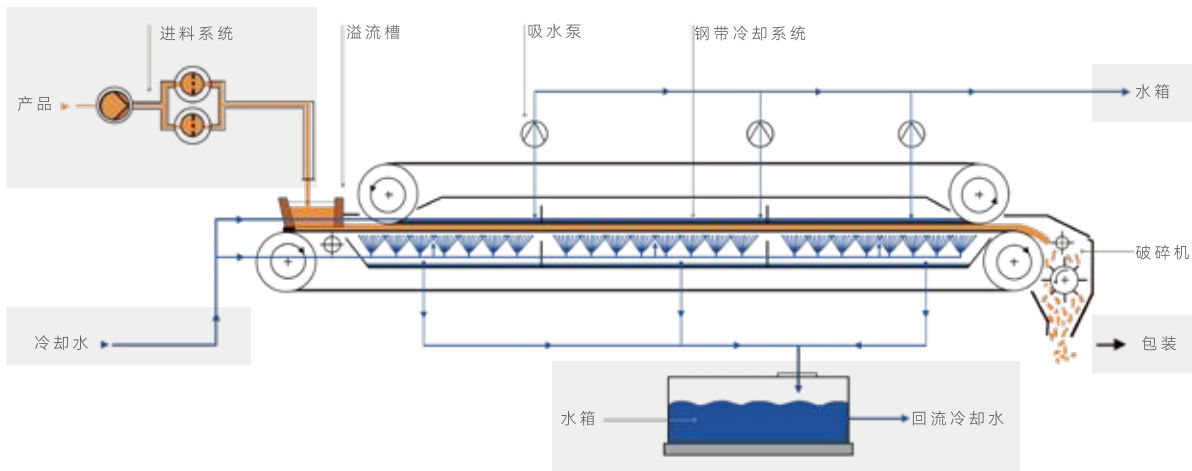
Food industry

造纸行业

Paper industry

双层钢带压片机

Double Press System



LYF 系列立式磨粉机

LYF SERIES GRINDING SYSTEM



LYF-30立式磨粉机
LYF-30 Grinding System



LYF-45立式磨粉机
LYF-45 Grinding System

特点

Features

主磨采用双层加厚降噪磨体，噪声低
The primary grinding unit features a dual-layer, noise-reducing design, ensuring low noise levels.

能耗低、产量高、易于清机和维修
Low energy consumption, high output, and easy to clean and maintain.

粒径分布集中、稳定、可调
The particle size distribution is concentrated, stable, and adjustable.

磨机温升小，粉体温度低
Low grinder temperature rises, and the powder temperature is low.

磨体温度监控，安全性高
Monitoring grinding body temperature for enhanced safety.

分离器采用旋风式设计，铰链采用气动缸辅助开启，出风口可多角度旋转
Cyclone classifier, with pneumatic assisted hinge opening, freely adjustable air outlet.

磨机前端和后端均可配置辅助喂料装置
Assisted feeders can be installed before or after main mill.

除尘箱旋风式设计，减少超细粉与滤芯的摩擦接触
The dust collector uses a cyclone-type design to reduce the friction and contact of ultra-fine powder with the filter element.

配有泄爆片、无焰泄爆装置和管路安装隔爆阀（选配）
Equipped with explosion isolation valves, flameless explosion venting device, and air duct explosion isolation valves (optional).

PLC自动控制，操作简便
PLC automatic control, easy to operate.

LYF 系列立式磨粉机由高速空气分级磨、旋风分离器、旋转筛（振动筛）、超细粉集尘箱和风机构成。具有高速粉碎、气流分级、双旋风分离、筛粉及超细粉收集等功能，噪声≤80DB。粒径范围 18um-60um 可自由调节，粒径分布最佳。可用于颜料、钙粉、碳粉、药品以及食品的粉碎，是固体粉末的最佳粉碎设备。该系列磨粉机由国际授权机构进行了 ATEX 和 PSR11 防爆性能评估，具有优异的防爆设计和防爆性能。

The LYF Series Vertical Grinding System comprises a high-speed air classifier mill, cyclone, rotary sieve (or vibrating sieve), fine collector, and a fan. It offers features like high-speed pulverization, air classification, dual cyclone separation, powder screening, and ultra-fine powder collection, with noise levels below 80dB. The particle size can be freely adjusted within the range of 18um to 60um, resulting in the most optimal particle distribution. This system is suitable for grinding various solid materials, including pigments, calcium powder, carbon powder, pharmaceuticals, and food products. It is regarded as the top-choice grinding equipment for solid powder materials. Furthermore, this grinding system has been assessed for explosion protection by international authorized agencies, meeting ATEX and PSR11 standards, and exhibits exceptional anti-explosion design and performance.

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Output	主磨转速(rpm) Mill Speed	主电机功率(kW) Mill Power	副磨电机功率(kW) Classifier Power	引风机功率(kW) Fan Power	外形尺寸(mm) Dimension(L*W*H)
LYF-10	150-200	7000	5.5-7.5	1.1-1.5	7.5-11	6000*2000*2200
LYF-20	250-350	6000	11-18.5	2.2-4	15-22	7000*2800*3000
LYF-30	350-500	5600	18.5-30	3-5.5	18.5-37	8000*2800*3000
LYF-45	500-600	5600	22-37	3-5.5	22-45	9000*3500*3500
LYF-60	800-1200	4800	30-45	4-7.5	45-75	10000*3500*3500
LYF-70	1000-1500	4800	37-55	4-7.5	55-90	11000*3500*3500

LCM 系列翻转混合机

LCM SERIES CONTAINER MIXER

LCM 混合机是凌宇智能 2023 年推出的新款翻转式混合机。其混合头采用平底结构、搅拌桨高速变频控制，混合均匀，温升低，优异的快速清洁功能可应用到各个领域。

The Lingyu iSeries LCM mixer was developed in 2023 with a flat mixing head. The innovative design of the mixing tool combined with precise inverter speed control enables outstanding mixing homogenization and low temperature variance. It’ s fast cleaning functionality ensures the adaptability of the LCM mixers for a wide variety of applications.

料斗 Container

料斗内壁采用易清洁的镜面 304 不锈钢材质，蝶阀用 304 不锈钢阀板, 采用耐磨 EPDM 密封件。车、架一体式结构，移动转弯灵活，配有省力聚氨酯脚轮, 强度高, 使用寿命长。

The container inner wall is made of easy-to-clean mirror 304 stainless steel, and the butterfly valve uses a 304 stainless steel valve plate with wear-resistant EPDM seals. The structure of the vehicle and frame is integrated, flexible to move and turn, equipped with labor-saving polyurethane casters with high strength and long service life.

主要技术参数 Technical Data

规格 Specifications	搅拌功率(kW) Mixing Power	容积(L) Volume	有效容积(L) Usable Volume	提升机功率(kW) Lifting Motor Power	翻转电机功率(kW) Rotating Motor Power	排料口直径(mm) Discharge Outlet Diameter	外形尺寸(mm) Dimension(L*W*H)	重量(kg) Weight
LCM-150	7.5	150	50-120	2×0.37	0.37	150	2300×2400×2600	2000
LCM-150H	11							
LCM-300	15	300	100-240	2×0.55	0.75	200	2500×2800×2900	2800
LCM-300H	22							
LCM-600	30	600	180-560	2×0.75	1.5	250	2800×3200×3200	3200
LCM-600H	37							
LCM-1000	37	1000	350-800	2×0.75	1.5	250	3200×3500×3700	4300
LCM-1000H	45							
LCM-1500	55	1500	450-1200	2×1.5	2.2	300	3400×3800×4200	5000
LCM-1500H	75							
LCM-2000	75	2000	600-1600	2×1.5	2.2	300	3600×4000×4600	6500
LCM-2000H	90							



特点

Features

混合机的新款设计

New design of the mixer

PLC和HMI自动控制混合过程，操作简单

PLC and HMI automatically control the mixing process, with simple operation.

搅拌桨叶变频控制转速，能适应不同产品的混合要求

Variable frequency control of agitator blades to meet diverse mixing requirements.

较低的温升速度1.5~2℃/min

Lower temperature rise rate of 1.5-2 ℃/min.

搅拌轴采用机械和气密封，长期使用不漏粉

Mixing shaft features both mechanical and airtight sealing, preventing powder leakage during long-term use.

自带工业吸尘器，无粉尘泄漏

Equipped with an integrated industrial vacuum system to ensure zero dust leakage.

电机电流控制提升夹紧力，混合不漏粉，混合均匀

Enhanced mixing consistency with motor current control for improved clamping force, eliminating powder spillage.

平底结构，极大地缩短了清机换色时间

Flat-bottom design significantly reduces cleaning and color changeover time.

安全护栏或者光栅保护

Safety guardrails or light curtains provide additional operator protection.

料斗可配置防尘盖

Optional dustproof hopper cover available for enhanced containment.

维护、保养便捷

Easy to clean and maintain.

可选配液体加注装置

Offers the option to include a liquid injection system for versatile mixing needs.

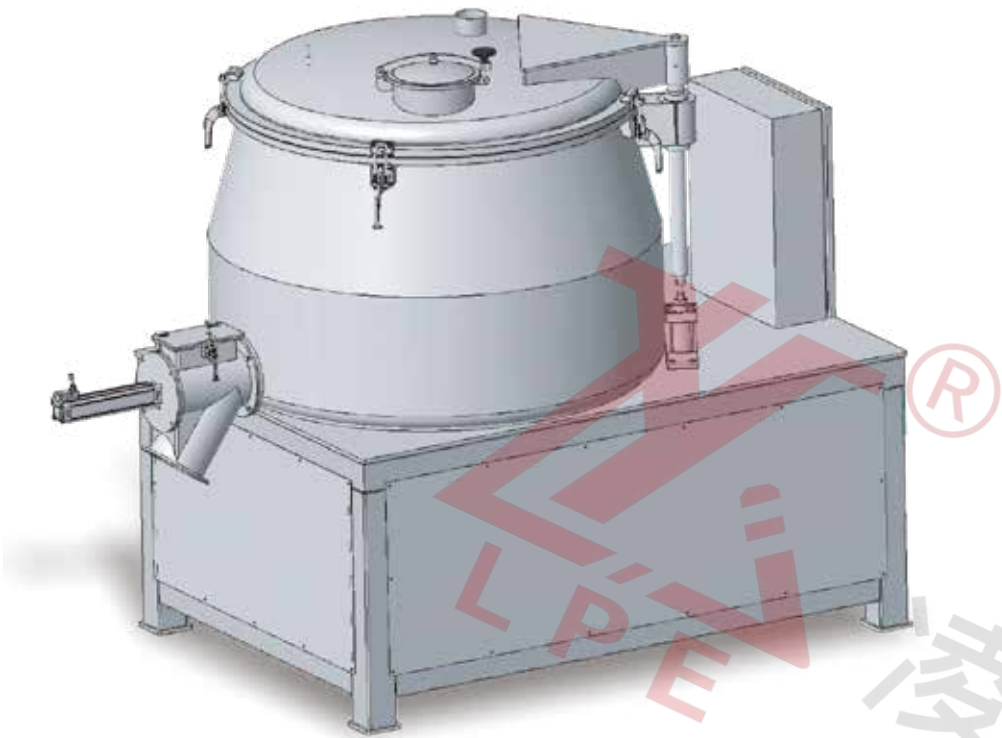
卸料站 Discharge Station

The discharge station can automatically lock the material container, seal the receiving pipe when it rises, use the actuator to control the butterfly valve to discharge the material, and use pneumatic vibrators or vibrating motors to prevent the material from bridging in the material tank. The operation is simple and stable. A 12,000GS permanent magnet array is installed in the discharge pipe to prevent ferromagnetic materials from entering the extruder.



LHM 系列高速混合机

LHM SERIES HIGH-SPEED MIXER



LHM高速混合机
LHM High-Speed Mixer

LHM 高速混合机适用于各种粉末、颗粒等原料的混合，在搅拌桨叶和侧向高速桨叶的作用下，快速均匀混合。它有多种搅拌桨叶和高速桨叶设计，适用于各行各业的物料混合。

Experience the versatility of our LHM High-Speed Mixer, designed to effortlessly blend a wide range of powders and granular materials. Its innovative combination of stirring paddles and high-speed lateral blades ensures swift and homogeneous mixing. With a variety of blade designs available, this mixer caters to diverse industries' material blending needs.

主要技术参数

Technical Data

型号 Model	容积(L) Volume	有效容积(L) Effective Volume	主搅拌电机功率(kW) Mixing Motor Power	高速桨叶功率(kW) Crushing Motor Power	外形尺寸(mm) Dimension(L*W*H)
LHM-200	200	60-160	5.5-18.5	4	1800×1000×1300
LHM-400	400	120-320	11-30	5.5	2200×1250×1450
LHM-600	600	180-480	22-75	7.5	2400×1750×1650
LHM-1000	1000	300-800	30-90	7.5	2600×2000×1900
LHM-1500	1500	450-1200	45-110	11	2900×2300×2000
LHM-2000	2000	600-1600	55-160	15	3200×2700×2200



高速型 (30-40m/s)
High Speed (30-40m/s)



中速型(15-20m/s)
Medium Speed (15-20m/s)



低速型 (5-10m/s)
Low Speed (5-10m/s)



破碎型
Chopper



桨叶型
Paddle



螺旋型
Screw

特点

Features

- PLC和HMI自动控制混合过程，操作简单**
The PLC and HMI automatically control the mixing process, which is easy to operate.
- 变频控制搅拌桨叶的速度，能适应不同产品的混合要求**
Variable frequency technology allows precise adjustment of stirring blade speed to meet diverse product requirements.
- 夹套式水冷却**
Jacketed water-cooling system ensures precise temperature control, maintaining a consistently stable temperature throughout the production process.
- 多种样式的搅拌桨叶**
Multiple stirring blade styles for various mixing needs, including uniform blending.
- 侧壁可选配多种高速桨**
The side wall can be equipped with multiple high-speed propellers as optional.

- 混合均匀，混合时间3~5min**
Achieve uniform blending in just 3-5 minutes, boosting production efficiency and product quality.
- 搅拌轴采用机械和气密封，长期使用不漏粉**
Mechanical and airtight seals on the stirring shaft prevent powder leakage, preventing dust explosions and ensuring operator health.
- 上盖采用气动辅助打开**
Pneumatic-assisted lid opening simplifies access, improving efficiency.
- 气动阀门排料**
Pneumatic valve discharge.
- 经济适用，性价比高**
Economically applicable, cost-effective.
- 可选配液体加注装置**
Offers the option to include a liquid injection system for versatile mixing needs.

LTX 系列双螺杆挤出机

LTX SERIES TWIN-SCREW EXTRUDERS



LTX 双螺杆挤出机

LTX Twin-Screw Extruders

LTX 系列双螺杆挤出机是公司 2023 年推出的新款同向旋转双螺杆挤出机。其具有更大的槽深比，更大的长径比，更高比扭矩的齿轮箱，更高的螺杆转速和双螺杆侧向喂料，这些技术的应用，保证高速旋转精密啮合块的作用下，物料在更低的温度下进行充分的分散和分布混合，满足更高要求的产品需求。

The all-new LTX Series Twin-Screw Extruders – our latest product for 2023 come with an array of advanced features. These include a larger groove depth ratio, increased length-to-diameter ratio, a high-torque gearbox, higher screw speeds, and dual-screw side feeding. The application of these technologies ensures that materials are thoroughly dispersed and mixed at lower temperatures, thanks to the high-speed rotation of precision intermeshing elements. This enables the LTX Series to meet the requirements of even the most demanding product specifications.

特点

Features

Do/Di=1.7，高填充率，产量高

Do/Di Ratio =1.7 for optimum free volume and high production yields.

齿轮箱比扭矩最高可达到18Nm/cm³

Up to 18 Nm/cm³, ensuring superior extrusion performance.

标准的4D衬瓦设计，可定制各种长径比的挤出机

Standard 4D liner design, customizable for various length-to-diameter ratios.

全系列自清式螺杆设计，长期使用无固化粒子

Full product line with self-cleaning screw design for long-term use without particle solidification.

螺纹块和混炼块可根据生产工艺要求优化配置

Conveying and kneading screw elements configurations to match specific production requirements.

剖分式螺筒设计，便于清机换色

Facilitates machine cleaning and color changes, reducing downtime during production.

螺纹元件、衬瓦和芯轴材质采用优质合金钢，特殊材质可定制

Screw elements, liners, and core shafts made of high-quality alloy steel, with custom material options.

双螺杆侧向喂料，能解决各种粉末喂料难问题

Solve challenging powder feeding issues with dual-screw side-feeding technology.

全自动防架桥处理功能

Featuring advanced sensors and automation ensures smooth feed production, maintains product consistency, and eliminates the risks associated with manual intervention.

料斗安装料位检测装置

Hopper equipped with material level detection for better operational control and safety.

直通式冷却水道设计

Direct cooling waterway design for optimized temperature control during production.

冷却循环水系统由水箱、水泵、换热器等组成，可实现恒温冷却水

Cooling system with a water tank, pump, and heat exchanger for constant temperature control.

PID控制的冷却和加热系统，精度±2℃

PID-controlled cooling and heating systems for temperature accuracy within ±2°C.

润滑油温可控，油压可监测

Control over lubrication oil temperature and monitoring of oil pressure for optimal machine performance.

触摸屏和PLC控制，人机界面友好，操作方便

Touch screen and PLC control for a convenient human-machine interface, reducing training costs.

升温、待机和生产共3种生产模式，适应生产的不同阶段

Choose from warm-up, standby, and full production modes to adapt to different production stages.

软件包括配方和维护保养管理

Software package includes formula management and maintenance tools for easier operation and upkeep.

完善的安全保护系统

Comprehensive safety protection system for operator and machine safety.

可选扭矩限制器和金属剔除器等

Customize with optional torque limiters and metal detectors to meet specific production needs.

LTX 系列双螺杆挤出机

LTX SERIES TWIN-SCREW EXTRUDERS

长径比16:1系列，适用于纹理粉末和环氧粉末（快速反应型）
The 16:1 length-to-diameter ratio series is designed for handling textured powders and epoxy powders (fast-reacting type).

主要技术参数

Technical Data

型号 Model	螺杆直径 Screw diameter	Do/Di Do/Di	转速(rpm) Screw Speed	电机功率(kW) Motor Power	最大产量(kg/h) Max output
LTX-41-16	42.7	1.7	400-600	15-22	150-200
LTX-50-16	52.1	1.7	400-600	22-37	200-400
LTX-65-16	64.6	1.7	400-600	45-75	450-800
LTX-75-16	74.5	1.7	400-600	75-110	800-1200
LTX-95-16	96.9	1.7	400-600	160-250	1500-2500

长径比24:1系列，适用高光泽、高分散粉末涂料
The 24:1 length-to-diameter ratio series is ideal for high-gloss and highly dispersed powder coatings.

主要技术参数

Technical Data

型号 Model	螺杆直径 Screw Diameter	Do/Di Do/Di	转速(rpm) Screw Speed	电机功率(kW) Motor Power	最大产量(kg/h) Max output
LTX-25-24	25	1.68	600-900	5.5-9	50
LTX-32-24	32	1.68	600-900	11-22	100-200
LTX-41-24	42.7	1.7	600-900	30-45	300-400
LTX-50-24	52.1	1.7	600-900	55-90	600-800
LTX-65-24	64.6	1.7	600-900	110-160	1000-1500
LTX-75-24	74.5	1.7	500-750	135-250	1400-2500

长径比48:1系列，适用于丙烯酸粉末涂料
The 48:1 length-to-diameter ratio series is tailored for acrylic powder coatings.

主要技术参数

Technical Data

型号 Model	螺杆直径 Screw Diameter	Do/Di Do/Di	转速(rpm) Screw Speed	电机功率(kW) Motor Power	最大产量(kg/h) Max output
LTX-32-48	32	1.68	800-1200	30-45	150
LTX-41-48	42.7	1.7	800-1200	75-110	400
LTX-50-48	52.1	1.7	800-1200	132-200	800
LTX-65-24	64.6	1.7	800-1200	200-350	1500



LTX 双螺杆挤出机
LTX Twin-Screw Extruders

LCB 系列钢带压片机

LCB SERIES STEEL BELT COOLER

LCB 系列钢带压片机由挤压、挤压辊、不锈钢输送带、破碎机机构和冷却水喷淋系统组成。冷却水喷淋系统用于不锈钢带的冷却。挤出机挤出的热熔融物料经冷却辊压成 1-2mm 带状，物料在不锈钢带上输送过程中冷却至常温，破碎机机构破碎成小片排出。

The LCB series steel belt cooler is composed of several key components, including an extrusion unit, stainless steel conveyor belts, a crushing mechanism, and a cooling water spray system. The primary function of the cooling water spray system is to effectively cool the stainless-steel belts. As the extruder processes and extrudes the hot molten material, it is carefully pressed into a 1-2mm thick strip by the extrusion rollers. As the material is transported on the stainless-steel belt, it will be cooled down to room temperature. Finally, the integrated crushing mechanism is responsible for breaking the cooled material into smaller flakes, facilitating easy discharge.

特点

Features

高品质不锈钢钢带，能长期承受动态拉力和温度变化，使用寿命长

Utilizes high-quality stainless steel belts designed to withstand dynamic tension and temperature variations, ensuring a prolonged service life.

增加了消除边折皱机构，提高物料冷却效果

Includes an integrated mechanism to eliminate edge folding, enhancing material cooling efficiency.

挤压辊表面氧化氮化处理，提高表面硬度和耐蚀性

Oxidation and nitridation treatment of the surface of the extrusion roller to improve surface hardness and corrosion resistance.

片料厚度可调、大小均匀

The thickness of the sheet material is adjustable and uniform in size.

独特的钢带导向功能，能彻底杜绝钢带跑偏

Incorporates a distinct function that completely eradicates belt misalignment issues.

喷淋系统的水温可控，适应不同季节物料的冷却

The water temperature of the spray system is controllable, adapting to the cooling of materials in different seasons.

清机、维护方便

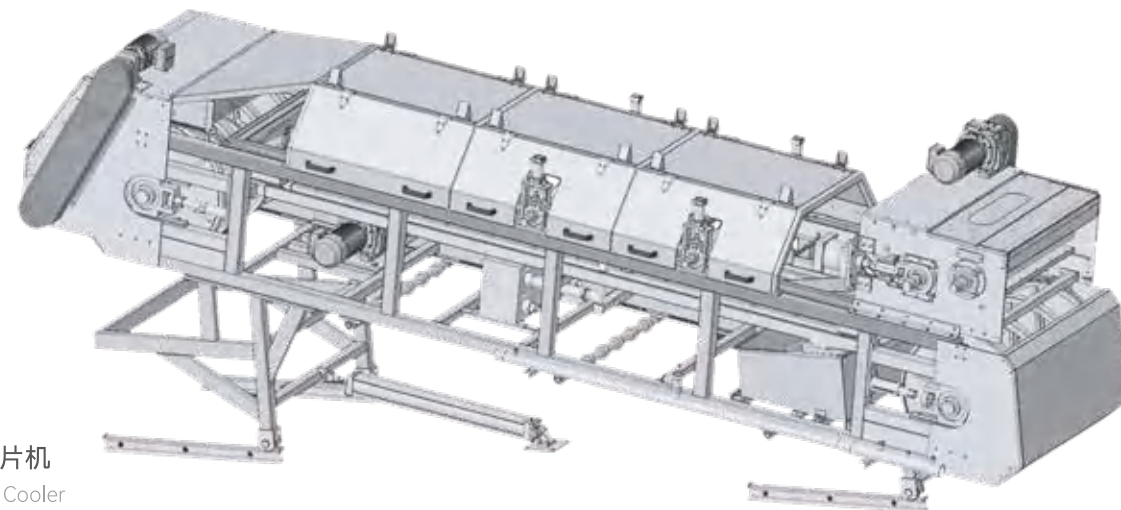
Easy to clean and maintain.

护罩全覆盖，片料无污染

Features a comprehensive guarding system to prevent material contamination.

完善的安全保护系统

Equipped with a robust safety protection system to ensure operator and equipment safety.



LCB 钢带压片机

LCB Steel Belt Cooler

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Output	钢带有效长度(mm) Belt Effective length	钢带宽度(mm) Belt Width	挤压/输送/破碎功率(kW) Squeezing/Conveying /Crushing Power	压辊直径(mm) Extrusion Roller Diameter	外形尺寸(mm) Dimensions(L*W*H)
LCB-5010	400	5000	1000	0.75/0.75/1.1	370/240	6300x2000x2000
LCB-6012	600	6000	1200	1.1/1.1/1.1	420/270	7300x2200x2100
LCB-8012	1000	8000	1200	1.5/1.5/1.1	420/270	9300x2200x2300
LCB-9015	1500	9000	1500	2.2/2.2/1.5	522/372	10300x2500x2400
LCB-9018	2000	9000	1800	3.0/2.2/2.2	522/372	10300x2800x2400

LCD 系列辊式压片机

LCD SERIES DRUM COOLER

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Output	冷却辊直径(mm) Cooling Roller Diameter	PU带宽度(mm) PU Belt Width	挤压功率(kW) Extrusion Power	破碎功率(kW) Crushing Power	重量(kg) Weight
LCD-27/35	50	270	350	0.55	0.37	600
LCD-42/65	200	420	650	0.75	0.55	800
LCD-60/90	400	600	900	1.1	0.75	1800
LCD-96/100	600	960	1000	1.5	0.75	2200
LCD-96/130	1000	960	1300	1.5	1.1	2800
LCD-120/160	1500	1200	1600	2.2	1.5	3200
LCD-160/160	2000	1600	1600	2.2	1.5	4000



LCD 辊式压片机
LCD Drum Cooler



LCD 系列压片机是凌宇智能公司 2023 年推出的新款结构紧凑的辊式压片机，由挤压辊、超大直径的冷却辊、高强度德国输送带和破碎组成。新结构的输送带可在几分钟内从侧面取出清洁或者更换，破碎机构可旋转打开，方便清洁。

The LCD series drum cooler, unveiled by Lingyu Intelligent in 2023, is a novel and space-efficient cooling system. It includes extrusion rollers, large-diameter cooling rollers, high-strength German conveyor belts, and a crushing mechanism. The inventive design of the conveyor belt permits convenient side access, facilitating rapid cleaning or replacement in a matter of minutes. Furthermore, the crushing mechanism is designed to be rotatable for effortless maintenance.

特点

Features

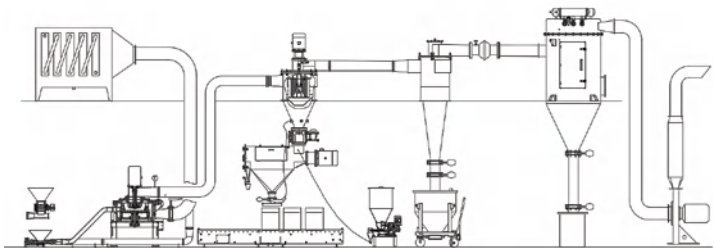
- 整机结构紧凑，较其它压片机可节省65%以上的工作场地**
The entire structure is compact, which can save over 65% of the working space compared to other cooling belts.
- 大直径的冷却辊筒，冷却效率高**
Large-diameter cooling rollers, delivering exceptional cooling efficiency to expedite product solidification.
- 片料厚度可调、大小均匀**
The thickness of the sheet material is adjustable and uniform in size.
- 完善的安全保护系统**
Perfect security protection system.

- 齿板式破碎结构可旋转打开，便于清洁**
Incorporates a rotatable toothed plate crushing structure for effortless cleaning and maintenance, thereby enhancing production efficiency.
- 抗静电、耐热、可快速更换的输送带**
Antistatic, heat-resistant, and quickly replaceable conveyor belt.
- 清机、维护方便**
Easy to clean and maintain.
- 物料封闭冷却，无污染**
The material is cooled in a closed environment without pollution.

ACM 系列磨粉系统

ACM SERIES GRINDING SYSTEM

ACM 磨粉机
ACM Grinding System



双分级磨粉机系统
Double-Stage Mill System

ACM 系列微粉粉碎系统由空气分级磨、旋风分离器、旋转筛或者振动筛、超细粉集尘箱和高压风机构成。具有高速破碎、空气分级、旋风分离、筛分和超细粉收集等功能。通过调整运行参数可以获得理想的粒径分布。ACM 系列微粉粉碎系统也可以用于颜料、钙粉、碳粉、药品及食品的粉碎。

The ACM Series Fine Powder Grinding System is composed of an air classification mill, a cyclone separator, a rotary or vibrating sieve, an ultra-fine powder collection box, and a high-pressure fan. It offers functionalities such as high-speed pulverization, air classification, cyclone separation, sieving, and ultra-fine powder collection. Adjusting operational parameters allows for achieving the desired particle size distribution. The ACM Series Fine Powder Grinding System is also suitable for grinding pigments, calcium powder, carbon powder, pharmaceuticals, and food products.

主要技术参数

Technical Data

型号 Model	最大产量(kg) Max Output	主磨电机(kW) Main Mill Motor	主磨转速Max(rpm) Main Mill Speed MAX	分级电机(kW) Graded Motor	分级转速Max(rpm) Graded Speed	引风机(kW) Fan Power	风量(m³/h) Air Volume
ACM-02	30	2.2	13955	0.55	3000	3	330
ACM-07	120	5.5	10350	1.1	3000	7.5	510
ACM-10	240	7.5	7437	1.5	3000	11	900
ACM-15	300	11	7437	2.2	3000	15	1350
ACM-20	400	15	6273	3	3000	22	1800
ACM-25	500	18.5	6273	4	3000	30	2250
ACM-30	600	22	5028	5.5	3000	37	2700
ACM-40	800	30	5028	5.5	3000	45	3600
ACM-50	1000	37	3469	7.5	2650	55	4500
ACM-60	1200	45	3469	7.5	2650	75	5400
ACM-75	1500	55	2657	11	2400	90	6750
ACM-100	2000	75	2657	11	2400	110	9000

特点

Features

粒径分布集中、稳定、可调
Particle size distribution is concentrated, stable, and adjustable.

回收率高(>98%)
High recovery rate (>98%).

磨机温升小，粉体温度低
Low temperature rise of the mill and low temperature of the powder.

双蝶阀或关风机排料
Double butterfly valve or off-fan discharge.

叶片阀或螺杆喂料
Leaf valve or screw feeding.

低噪声，清机维护方便
Low noise,ease of cleaning and maintenance.

按照GB (国标)和EN (欧标)关于《抗冲击压力容器的计算、设计和试验》及《粉尘爆炸泄压》标准进行设计
Designed in accordance with the GB (National Standard) and EN (European Standard) standards for "Calculation, Design and Testing of Impact Resistant Pressure Vessels" and "Dust Explosion Pressure Relief".

双分级系统大幅提高粒度的集中度
The dual classification system greatly improves the concentration of particle size.

可定制内循环磨粉系统
Customizable internal circulating milling system.

人机交互，PLC触摸屏控制，操作简便
Human-machine interaction, PLC touch screen control, easy to operate.

工艺参数配方化管理，远程监控
Process parameter and formula management, remote monitoring.

安全保护系统完善
Perfect security protection system.

主磨前或旋转筛前可配置助剂喂料装置
Before the main mill or the rotating screen, a feeding device for additives can be installed.

实验室挤出机
LAB SCREW EXTRUDER

实验室双螺杆挤出机
Lab Twin Screw Extruder



SLJ 系列实验室双螺杆挤出机设计新颖, 结构紧凑合理, 集挤出、压片于一体, 其混炼效果可与大机相媲美, 是研制粉末涂料生产工艺、品种开发、校色的理想设备。原料在高速旋转精密啮合块的作用下, 进行充分的分散和分布混合。实验室双螺杆挤出机是粉末涂料生产的关键设备。

SLJ Series Lab Twin Screw Extruder boasts a novel design and compact structure, seamlessly combining extrusion and compaction. It matches the kneading performance of larger machines, making it an ideal choice for developing new product varieties, powder coating technologies, and color matching. With the assistance of high-speed, precision kneading elements, raw materials are thoroughly dispersed and mixed. This lab twin screw extruder plays a pivotal role in powder coating production.



SLJ-32实验室双螺杆挤出机配YPJ-103压片机
SLJ-32 Lab Twin Screw Extruder Equipped With YPJ-103 Air Cooling Belt

主要技术参数
Technical Data

型号 Model	产量(kg/hr) Output	螺杆转速(rpm) Screw Speed	长径比 L/D Ratio	主电机功率(kW) Motor Power	加热功率(kW) Heating Power	外形尺寸(mm) Dimension(L*W*H)
SLJ-20	10-15	0-500	14-48	3-4	3-4.8	1900*700*1400
SLJ-25	10-30	0-600	14-48	3-4	3-4.8	1900*700*1400
SLJ-32	20-50	0-500	14-48	5.5-7.5	2.2-3.6	2600*630*1400
SLJ-35	80-120	0-500	14-48	9.2-11	2.2-3.2	3000*800*1400

特点
Features

齿轮箱配备独立润滑及冷却系统, 高扭矩, 静音耐磨
Gear box is outfitted with an independent lubrication and cooling system, offering high torque, quiet operation, and exceptional wear resistance.

混炼效果优良, 产量高
Excellent mixing and kneading effect, high output.

准确真实地显现配方效果
Accurately and truthfully depict the formulation's effects.

可靠模拟生产型挤出机的运行参数
Dependable simulation of operational parameters for production extruders.

螺杆的精确设计和制作获得良好自清效果
Precise design and fabrication of screw shaft to achieve excellent self-clean performance.

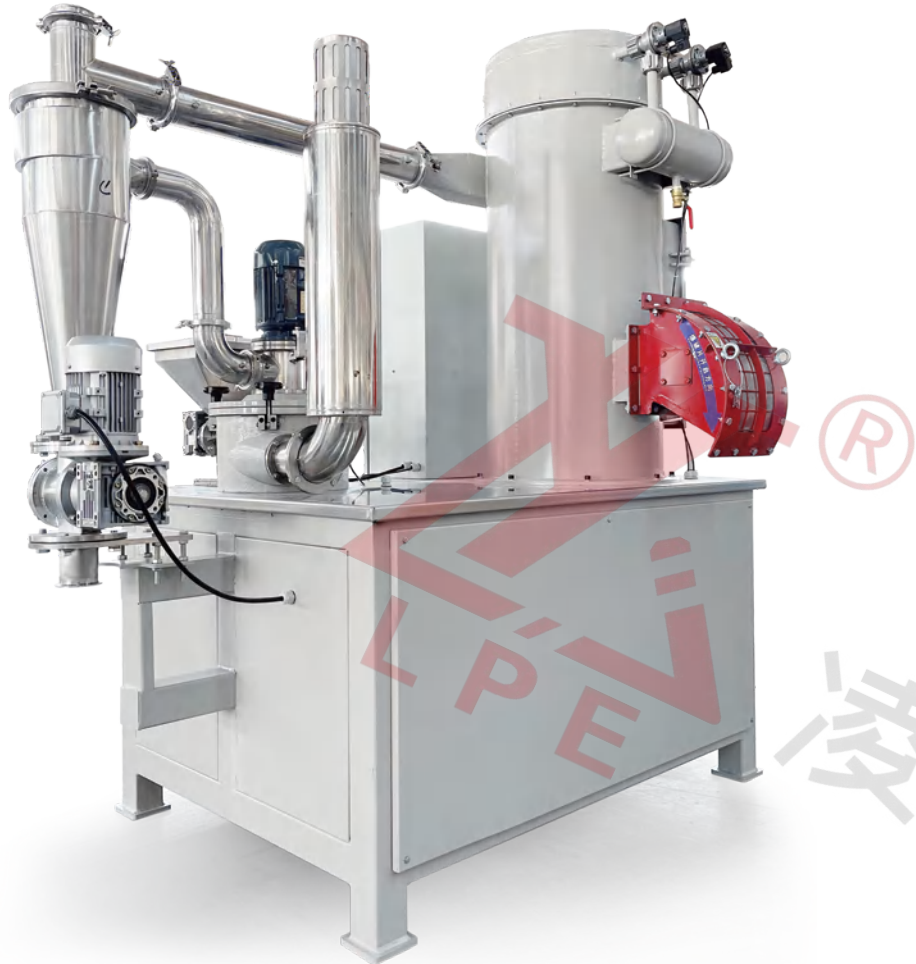
安全保护系统完善, 使用寿命长
Perfect safety protection system for long service life.

易于清洗, 维护方便
Easy to clean and maintain

设备配有扭矩限制器 (选配)
The equipment comes with an optional torque limiter. (optional)

实验室磨粉机

LAB GRINDING SYSTEM



LYF-02实验室磨粉机
LYF-02 Lab Grinding System

该系列磨粉机主要用于在实验室制做粉末样品以及中试样
品, 以获得最佳配方和生产工艺参数。设备符合欧洲 ATEX 和
PSR11 标准, 在磨粉工艺、机械传动及结构、以及控制系统等
方面都采用了最新技术。

The primary application of this series of grinding machines is for pro-
ducing powder samples in the laboratory and pilot samples to optimize
formulation and production parameters. The equipment adheres to
European ATEX and PSR11 standards and incorporates cutting-edge
technology in grinding processes, mechanical transmission, structural
design, and control systems.



LYF-07实验室磨粉机
LYF-07 Lab Grinding System

主要技术参数

Technical Data

型号 Model	产量(kg/hr) Output	主磨转速(rpm) Mill Speed	主电机功率(kW) Mill Power	副磨电机功率(kW) Classifier Power	引风机功率(kW) Fan Power	外形尺寸(mm) Dimension(L*W*H)
LYF-01	2-20	18000	1.1-1.5	0.37-0.55	2-3	2550*1532*2450
LYF-02	5-30	13955	1.5-2.2	0.55-0.75	3-4	1960*1220*2050
LYF-05	30-50	9000	3-4	0.55-0.75	3-4	1900*1500*2200
LYF-07	80-120	10350	4-5.5	0.75-1.1	5.5-7.5	2020*2700*2640

特点

Features

低噪音
Low noise.

准确真实的显现配方效果
Reflect the actual formula effect.

可模拟生产型磨粉机的运行参数
Imitable operating parameter of production grinding system.

易于清机和维护
Easy to clean and maintain.

操作安全
Safe to operate.

小试、中试粒径可与大型生产设备同步
Synchronization with large scale production quipment in particle size.



小型实验室立体线
Pilot Production System



挤出机架体选配
Extruder Platform Available



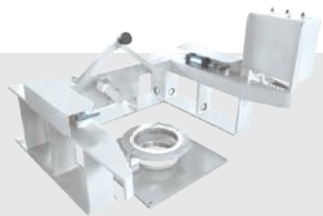
配料系统
Dosing System



实验室金属粉邦定机
Lab Metallic Bonding Mixer



料车
Container



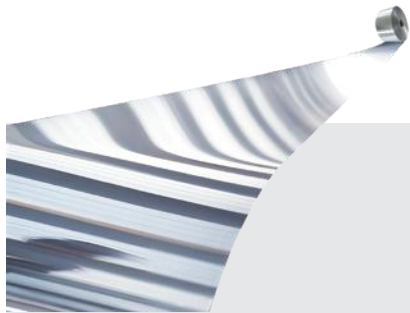
ZXL自动卸料站
ZXL Series Automatic Discharge Station



失重喂料器
Loss-In-Weight Feeder



实验室混合机
Lab Mixer



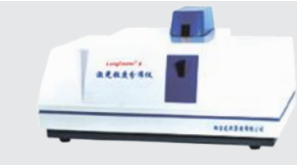
高强度精密钢带
High Strength Precision Steel Belt



添加剂喂料器
Additive Feeder



实验室喷枪
SJ-06 Lab Spray Gun



激光粒度分布仪
Laser Particle Size Analyzer



实验室微型粉碎机
Lab Mini Mill

配件服务

SPARE PARTS

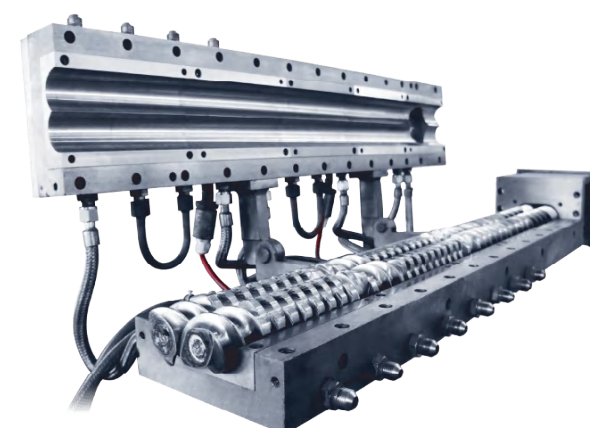
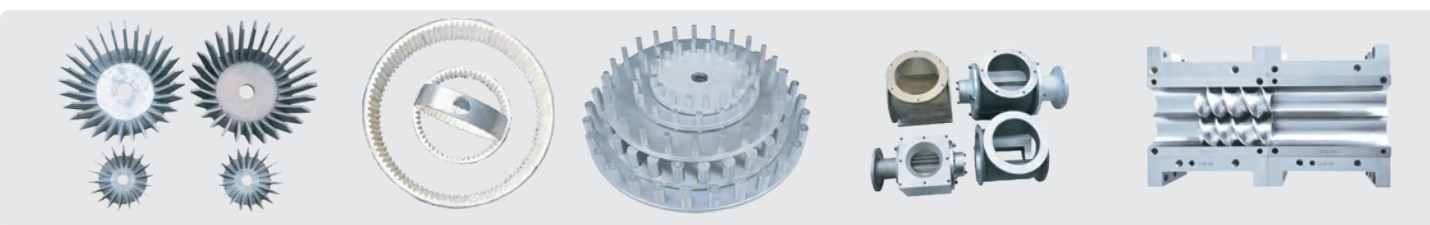


长期稳定提供各类粉末设备的配件, 并可根据客户要求特殊定制, 保证先进工艺, 优良材质, 高精度度。

With advanced craft, good materials and high precision, we provide spare parts for all kinds of powder coating processing equipment stably in long term, as well as customized order according to some special requirements.



精确检测 Accurate Inspection



售后服务 service



Lifetime Support Guarantee
终生技术支持



Dedicated Aftersales Service Team
专业售后服务团队



当您选择凌宇的粉末涂料设备，您会得到我们对设备配置，性能，效率，以及运行成本等的全套技术支持。我们专业的售后服务团队均配备有快速服务车辆，可第一时间为您提供设备维护维修，备品备件，设备升级及保养，产线优化与设计等服务。帮您最大化生产效能，延长设备服务寿命。

When choosing processing equipment from Lingyu, you are guaranteed to receive our full support for equipment specification, performance, efficiency and run cost. Our dedicated aftersales team are equipped with quick reaction vehicle to provide repairs and rebuild service, spare parts and components, line upgrades and maintenance and production optimisation and design services. Helping you achieve the full potential of powder coating production and equipment service life.