

AMIGE MACHINERY

创新至上 阿密格机械

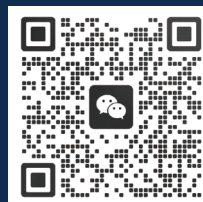
台州阿密格机械有限公司
TAIZHOU Amige Machinery Co., Ltd.

📍 浙江省台州市椒江区东环大道1688号
No. 1688 Donghuan Avenue, Jiaojiang District, Taizhou City,
Zhejiang Province, China

☎ +86 576 8834 1551 / 183 0576 8576

✉ jacky@amgplastech.com / info@amgplastech.com

🌐 www.amgplastech.com / www.plasticcrusher.com



AMIGE MACHINERY

阿密格机械

AMIGE MACHINERY
创新至上 阿密格机械



台州阿密格机械有限公司
TAIZHOU Amige Machinery Co., Ltd.

ABOUT US

关于我们

台州阿密格机械有限公司坐落于素有“中国塑模之都”美誉的浙江省台州市。作为一家专注于高新技术塑料回收机械的领先制造商，我们拥有超过10年的深厚行业积淀。我们始终致力于可持续回收系统的研发、创新与设计，为全球循环经济贡献力量。

Taizhou Amige Machinery Co.,Ltd,located in Taizhou, Zhejiang Province—the renowned "Plastic Mold City of China" is a premier manufacturer specializing in high-technology plastic recycling machinery. With over 10 years of deep-rooted expertise, we are dedicated to the design, innovation, and development of sustainable recycling systems.



先进加工设备 Advanced Machinery

拥有CNC数控加工中心、金属剪切机、折弯机、专业车床及铣床等全系列精密加工设施。

CNC machining centers, metal shearing, bending, professional lathe, and milling machines.



质量保证 Quality Assurance

所有产品均严格按照CE国际安全标准设计制造，确保为全球客户提供卓越的安全性能、可靠性及作业表现。

All products are engineered to meet rigorous CE standards, ensuring superior safety, reliability, and performance for our global clientele.



集成化方案 Integrated Solutions

我们致力于提供全面且高效的回收生态系统，旨在为合作伙伴实现投资回报率的最大化。

We strive to provide a comprehensive and efficient recycling ecosystem that maximizes ROI for our partners.

AMIGE MACHINERY

创新至上 阿密格机械

核心产品系列 Core Product Series

我们提供多元化的机械方案，能够处理从大块固废到工业边角料的各种物料：

- **撕碎机系列**
包括单轴、双轴、双辊及四轴撕碎机
- **破碎机系列**
提供重型及经济型塑料破碎机
- **集成系统**
撕碎-破碎一体机及全自动生产线
- **整线工程**
全自动塑料撕碎、破碎及清洗生产线
- **造粒解决方案**
高效塑料造粒（颗粒再生）生产线

We offer a versatile range of machinery designed to handle everything from solid waste to industrial scraps:

- **Shredding Series**
Single-shaft, double-shaft, double-roll, and four-shaft shredders.
- **Crushing Series**
Heavy-duty and economical plastic crushers.
- **Integrated Systems**
Combined shredder-crusher machines and automated production lines.
- **Turnkey Lines**
Full-scale plastic shredding, crushing, and washing lines.
- **Pelletizing Solutions**
High-efficiency plastic pelletizing (granulating) lines.

全球布局与服务保障 Global Presence and Service Assurance

阿密格机械已建立起坚实的全球业务版图，高性能设备远销至北美、南美、欧洲、中东、东南亚及非洲。

Amige Machinery has established a solid global business footprint, with its high-performance equipment exported to North America, South America, Europe, the Middle East, Southeast Asia, and Africa.



专业服务团队 Professional Services Team

我们确保在整个生产周期内提供透明、高效的沟通服务。

We ensure transparent and effective communication throughout the entire production cycle.



快速技术支持 Rapid Technical Support

我们以精准和高效的速度响应客户需求，提供可靠的解决方案，助力客户取得商业成功。

We respond to customer needs with speed and precision, providing reliable solutions to help our clients succeed.



企业使命 Corporate Mission

我们愿与全球合作伙伴携手，通过创新技术共同打造更清洁、更可持续的绿色环境。

We partner globally with innovative tech to build a cleaner, sustainable future.

应用领域 Applications

我们的设备经专业设计，可处理多种废弃物料——从大块固体废物、不合格次品到生活垃圾及工业废料，均能提供精准处理方案。

Our machinery is expertly designed to process diverse waste streams—from bulky solid waste and substandard products to domestic and industrial waste.



FS Series Economical Crusher

FS系列经济型粉碎机

产品概述 Product Overview

FS系列粉碎机是专为追求高性价比与运行稳定的用户量身打造的基础款粉碎设备。该系列在承袭传统粉碎工艺的基础上,通过结构优化大幅降低了设备功耗与维护成本,是医药、化工、食品及农业等行业颗粒物料粉碎的理想之选。

The FS Series is a range of entry-level grinding solutions specifically engineered for users seeking a balance of high cost-efficiency and operational stability. Building upon proven traditional milling techniques, this series features an optimized structure that significantly reduces power consumption and maintenance costs. It is the ideal choice for granulating and pulverizing materials across the pharmaceutical, chemical, food, and agricultural industries.

适用物料 Applicable Materials

- 本设备广泛适用于以下塑料制品的破碎回收：
- 物流与家居：周转箱、水果箱、行李箱（拉杆箱）、塑料包装箱。
 - 汽车与交通：蓄电池外壳、电瓶车塑壳、汽车内饰塑件。
 - 建筑与工业：管件、片材、育苗盘、PVC 门帘、塑料门挡、塑钢门窗框架、塑钢打包带。
 - 电子与电器：插线板外壳、电子电路板、打印机外壳、复印机外壳、扫描仪外壳、VCD/DVD 光盘。
 - 软质包装：包装袋、购物袋、编织袋、蛇皮袋。
 - 生活用品：点滴管（输液管）、快餐盒、塑料餐板及其他各类塑料制品。

- This equipment is widely used for the crushing and recycling of the following plastic products:
- Logistics and Home Goods: Pallet boxes, fruit crates, luggage (trolley suitcases), plastic packaging boxes.
 - Automotive and Transportation: Battery casings, electric vehicle plastic shells, automotive interior plastic components.
 - Construction and Industry: Pipe fittings, sheets, seedling trays, PVC door curtains, plastic door stoppers, plastic-steel window/door frames, plastic-steel strapping bands.
 - Electronics and Appliances: Power strip housings, electronic circuit boards, printer casings, copier casings, scanner casings, VCD/DVD discs.
 - Flexible Packaging: Packaging bags, shopping bags, woven bags, mesh bags.
 - Household Goods: IV tubing, takeout containers, plastic food trays, and various other plastic products.



产品优势 Product Advantages

- 高效给料：配备超大投料口，加料更加便捷顺畅。
- 极简设计：外观简洁大方，操作直观简便，单人即可完成整机操作。
- 深度定制：可根据客户的实际生产需求，提供个性化的定制方案。
- High-Efficiency Feeding: Equipped with an oversized hopper for smoother, more convenient material loading.
- Minimalist Design: Sleek and intuitive aesthetic; designed for simple, single-person operation.
- Deep Customization: Tailored solutions available to meet your specific production requirements.

机器型号 Machine model	FS 300A	FS 400A/B	FS 500A/B	FS 650A/B	FS 800A/B	FS 1000A/B	FS 1200A/B
机器尺寸(长 / 宽 / 高) Machine size (L/W/H) (mm)	700×700 ×1400	800×800 ×1400	1400×1100 ×1500	1500×1200 ×1700	1500×1600 ×2000	1900×1900 ×2300	2000×2000 ×2500
进料尺寸 Feeding size (mm)	310×260	410×320	510×320	660×400	810×500	1010×550	1210×600
转子直径 Rotor diameter (mm)	Ø220	Ø260	Ø320	Ø350	Ø420	Ø520	Ø600
转速 Rotating speed (rpm)	500	500	500	500	500	500	500
筛网孔径 Screen size (mm)	12-100	12-100	12-100	12-100	12-100	12-100	12-100
固定刀数量 Fixed blade (pcs)	2	2/4	2/4	2/4	4	4	4
转子刀数量 Rotor blade (pcs)	3	3/6	3/6	3/6	6	6	6
产能 Capacity (Kg/H)	100-200	200-300	300-500	500-700	700-800	800-1100	1100-1500
电机功率 Motor power (kw)	4	7.5	11	15	30	37/45	45/55
液压功率 Hydraulic power (Kw)	-	-	-	-	-	-	1.5
机器重量 Machine weight (Kg)	260	420	650	850	1600	2800	3800

WHC Series Heavy-Duty Crushers

WHC系列重型粉碎机

产品概述 Product Overview

WHC系列重型破碎机广泛用于各种中空塑料制品。独特的破碎腔结构和进料斗形式,可将大型家电外壳、汽车保险杠、厚壁橡塑制品回收成细颗粒。机器符合欧洲CE标准,机箱主要部件采用西门子和施耐德品牌产品。

WHC Series Heavy-Duty Crushers are engineered for high-capacity processing of a wide range of hollow plastic products. Featuring a unique crushing chamber structure and a specialized hopper design, this series is capable of recycling large-scale items—such as home appliance housings, automotive bumpers, and thick-walled rubber/plastic products—into high-quality fine granules.

The machines are built in full compliance with European CE safety standards. To ensure maximum reliability and longevity, the core electrical components are sourced from world-class brands, including Siemens and Schneider.

产品优势 Product Advantages

- 主轴采用高强度焊接钢结构,独特的V型设计,大大提高了粉碎效率。所有主轴均通过严格的动静平衡测试,确保机器的可靠性。
- 轴承座安装在机体外侧,主轴与机体通过密封圈密封,有效防止机体内破碎物进入轴承内,从而延长使用寿命。
- 刀片和筛网可通过液压装置轻松拆卸和安装,料斗和破碎室易于清洁和维护。
- 品牌电机和西门子电气元件具有过载保护功能,可保护操作者的安全。

- High-Stability V-Cut Rotor: The main shaft features a high-strength welded steel construction with a unique V-shape design, significantly enhancing crushing efficiency and throughput.
- Precision Engineering: Every rotor undergoes rigorous static and dynamic balance testing to ensure vibration-free operation and long-term mechanical reliability.
- External Bearing Housing Design: To maximize service life, the bearing housings are strategically mounted outside the main body.
- Advanced Contamination Protection: A specialized seal between the spindle and the chamber effectively prevents dust and crushed particles from entering the bearings.
- Extended Durability: This isolation ensures consistent performance even in the most demanding recycling environments.
- Hydraulic Maintenance System: The machine is engineered for effortless upkeep.
- User-Friendly Access: Blades and screen cradles can be easily removed or installed via a hydraulic power system.



Rapid Cleaning: The split-design hopper and crushing chamber allow for swift cleaning and simplified routine maintenance.

- Premium Electrical Safety: Safety and reliability are our core priorities.

Global Standard Components: Equipped with top-tier motors and Siemens electrical components.

Comprehensive Protection: Built-in overload protection systems ensure the safety of both the operator and the machine during heavy-duty cycles.

应用范围 Applications

- 大型家电外壳
- 汽车保险杠
- 注塑产品
- Home Appliance Enclosures
- Automotive Bumpers
- Injection Molded Products

机器型号 Machine model	WHC 600/350	WHC 600/450	WHC 800/450	WHC 800/600	WHC 1000/600	WHC 1200/600	WHC 1200/800	WHC 1400/800	WHC 1600/800
主轴长度 Spindle Length (mm)	600	600	800	800	1000	1200	1200	1400	1600
主轴回转直径 Spindle Swing Diameter (mm)	350	450	450	600	600	600	800	800	800
主轴转速 Spindle Speed (rpm)	520	520	520	500	500	500	480	480	480
动刀数量 Moving Blade Quantity (PCS)	2×3	2×3	2×3	2×5	2×5	2×5	2×5/2×7	2×7	2×7
定刀数量 Fixed Blade Quantity (PCS)	2	2	4	4	4	4	4	4	4
电机功率 Motor Power (KW)	22	30	37	55	55/75	75/90	132	132/160	160
液压功率 Hydraulic Power (KW)	-	1.1	1.5	1.5	1.5	1.5	3	3	3
筛网孔径 Screen Mesh Aperture (mm)	10-50	10-50	10-50	10-50	10-50	10-50	12-50	12-50	12-50
放料口尺寸 Hopper Opening (mm)	600×605	700×605	850×810	900×810	1050×1020	1050×1220	1250×1220	1250×1420	1250×1620
外形尺寸 Overall Dimension (L×W×H)(mm)	1650×1220×2100	2130×1340×2590	2130×1540×2690	2235×1600×3220	2445×1885×3330	2650×2120×3450	3210×2230×4050	3500×2500×5000	3860×2650×5380
整机重量 Machine Weight (kg)	1450	2600	2700	4350	4500	5500	10000	12000	14000

WPS Series Single-Shaft Shredders

WPS系列单轴撕碎机

产品优势 Product Advantages

- 转子: 两种不同的主轴转子适用于不同的材料, W型适用于软制材料, 另一种适用于硬质材料。
- 刀片: 优化结构使刀片更换简单灵活。转子刀片可通过改变角度重复使用, 延长刀片使用寿命, 节约成本。
- 外轴承座: 轴承座安装在箱体外侧, 主轴与箱体之间用密封圈密封, 有效防止破碎物溅入箱体, 提高轴承使用寿命。轴承座采用全保护结构, 使用更安全。
- 液压系统: 全系列均配备液压推动装置。物料在工作时会被推向主轴, 与传统撕碎机相比效率更高。
- High-Performance Rotors: We offer two distinct spindle rotor designs to handle various material properties:
W-Type Rotor: Specifically engineered for soft and flexible materials.
Standard Rotor: Optimized for rigid and hard materials, ensuring maximum throughput.
- Precision Blades: Our optimized structural design makes blade replacement simple and flexible.
Extended Service Life: The rotor blades are designed to be rotatable, allowing multiple cutting edges to be used before replacement.
Cost Efficiency: This feature significantly extends the blade's operational life and reduces maintenance costs.
- External Bearing Housings: To ensure long-term durability, the bearing housings are mounted outside the main chassis:
Advanced Sealing: A specialized seal between the spindle and the chamber effectively prevents dust and debris from entering the bearings.
Enhanced Safety: The bearings feature a fully protected structure, improving both the service life of the components and operational safety.
- Advanced Hydraulic System: The entire series is equipped with a precision hydraulic pusher system:
Increased Efficiency: Unlike traditional gravity-fed shredders, our system actively forces material against the rotating spindle.
Superior Throughput: This ensures constant engagement with the blades, resulting in significantly higher shredding efficiency.

产品概述 Product Overview

WPS系列单轴撕碎机是阿密格机械开发的最新撕碎机。阿密格塑料撕碎机专业撕碎大体积、厚壁塑料固体废料, 以及注塑机废料、PP、PE块状物等合成材料。车保险杠、厚壁橡塑制品回收成细颗粒。机器符合欧洲CE标准, 机箱主要部件采用西门子和施耐德品牌产品。

WPS Series Single-Shaft Shredder The WPS Series is the newest shredding innovation from Amige Machinery. Professionally engineered for heavy-duty applications, it excels at processing bulky, thick-walled plastic waste, injection molding scraps, and synthetic materials including PP and PE lumps. Specifically designed for granulating automotive bumpers and thick-walled rubber-plastic components. Built to European CE safety standards, the machine integrates high-quality control systems from Siemens and Schneider.



应用范围 Applications

- 注塑机机头料、厚壁塑料板材、管材、中空塑料制品、化工蓝桶、塑料托盘、薄膜
- 木材
- 餐厨及生活垃圾
- Injection Molding Scraps / Purge、Thick-walled Plastic Sheets、Plastic Pipes、Hollow Plastic Products、Chemical Blue Drums、Plastic Pallets、Plastic Films
- Timber & Wood Waste
- Kitchen & Domestic Waste

机器型号 Machine model	WPS600	WPS800	WPS1000	WPS1200
主轴长度 Spindle Length (mm)	600	800	1000	1200
主轴回转直径 Spindle Swing Diameter (mm)	280	400	450	450
主轴转速 Spindle Speed (rpm)	78	78	78	78
推料箱行程 Pusher Box Stroke (mm)	600	800	1000	1200
动刀数量 Moving Blade Quantity (PCS)	30	38	42/63	54/81
定刀数量 Fixed Blade Quantity (PCS)	2	2	3	4
电机功率 Motor Power (KW)	22	37	55/75	75/90
液压功率 Hydraulic Power (KW)	2.2	3	5.5	5.5
筛网孔径 Screen Mesh Aperture (mm)	30-80	30-80	30-120	30-120
粉碎室有效尺寸 Effective Size of Crushing Chamber (mm)	600×600	800×800	1000×1000	1200×1250
外形尺寸 (L×W×H) Overall Dimension (mm)	2100×1420×1980	2640×1770×2650	3200×2100×2850	3660×2340×2950
整机重量 Machine Weight (kg)	2100	4000	6000	7500

WPT Series Double-Roll Shredder

WPT系列双辊撕碎机

产品概述 Product Overview

WPT系列双辊撕碎机主要用于撕碎薄膜、编织袋、打包带、长丝材料等轻质物料。它采用独特的双辊设计，具有结构紧凑、抗缠绕、高效率等技术特点。并由西门子PLC程序控制，具有自动控制、启动、停止、反转、过载保护等功能，在运行过程中能有效保护设备。

The WPT Series Double-Roll Shredder is primarily used for shredding lightweight materials such as plastic film, woven bags, strapping bands, and filament materials. It features a unique double-roll design, offering technical advantages such as a compact structure, anti-tangling capabilities, and high efficiency. Controlled by a Siemens PLC, it provides automatic control functions including start, stop, reverse, and overload protection, effectively safeguarding the equipment during operation.

应用范围 Scope of Application

- 薄膜
- 吨包, 编织袋
- 纸制品
- 软质塑料
- 打包带
- Film
- Big bags, woven bags
- Paper products
- Flexible plastics
- Strapping



产品优势 Product Advantages

- 此款撕碎机不受辅助进料限制，撕碎效率高，不会堵塞。
- 特别定制的双转子，旋转直径大，增加接触面，提高生产效率
- 传动装置采用联轴器连接，减少振动，保护主轴和减速机不断电。
- 液压系统设计实现快速换网，节省维修时间。
- This shredder is not limited by auxiliary feeding, offers high shredding efficiency, and does not clog.
- The specially customized dual rotors feature a large rotational diameter, increasing the contact surface area and improving production efficiency.
- The drive system uses a coupling connection to reduce vibration and protect the main shaft and gearbox from power outages.
- The hydraulic system is designed for quick screen changes, saving maintenance time.

机器型号 Machine model	WPT800/400	WPT1000/450	WPT1200/450
主轴长度 Spindle Length (mm)	800	1000	1200
主轴回转直径 Spindle Swing Diameter (mm)	400	450	450
主轴转速 Spindle Speed (rpm)	40	40	40
动刀数量 Moving Blade Quantity (PCS)	78	96	112
定刀数量 Fixed Blade Quantity (PCS)	3+3	4+4	4+4
电机功率 Motor Power (kw)	45+45	55+55	75+75
液压功率 Hydraulic Power (kw)	1.5	1.5	1.5
筛网孔径 Screen Mesh Aperture (mm)	50-100	50-100	50-100
粉碎室有效尺寸 Effective Size of Crushing Chamber (mm)	810×1170	1010×1490	1210×1490
外形尺寸 (L×W×H) Overall Dimension (mm)	2400×2160×2400	3800×2180×2650	4500×2180×2650
整机重量 Machine Weight (kg)	5500	6500	10000

WT Series Double-Shaft Shredder

WT双轴撕碎机

产品概述 Product Overview

WT系列双轴撕碎机可满足汽车轮胎、木材、电线、塑料、金属等各行业的废弃物回收利用需求，撕碎后的物料可根据需要直接回收或进一步粉碎。刀片由优质材料制成，坚固耐用。它运用两轴剪切原理，通过刀片的剪切、撕裂、挤压作用实现物料的精细分解。

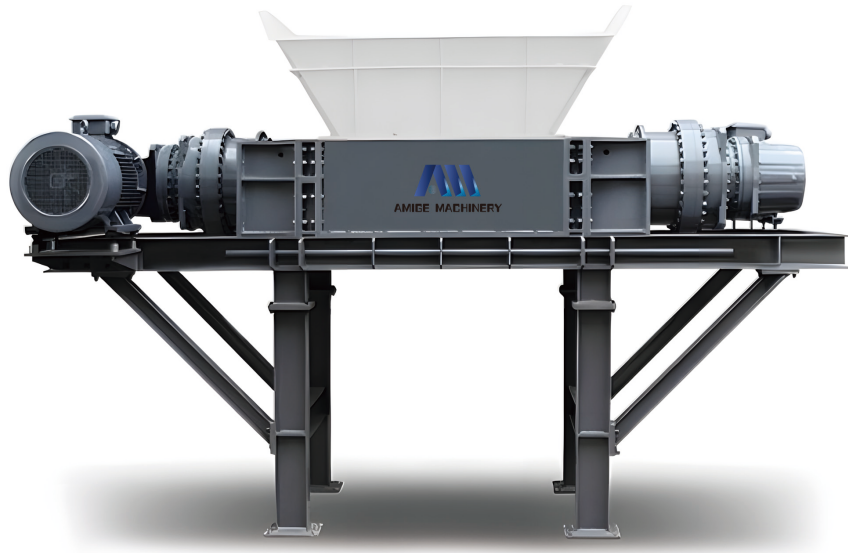
The WT Series double-shaft shredder meets recycling needs across industries including automotive tires, wood, wire, plastic, and metal. Shredded materials can be directly recycled or further pulverized as required. Blades are crafted from premium materials for exceptional durability. Employing a double-shaft shearing principle, it achieves precise material disintegration through blade cutting, tearing, and compression.

应用范围 Scope of Application

- 废旧家电
 - 废旧轮胎
 - 大型管材、管件
 - 叉车托板
 - 各种包装桶
 - 汽车外壳
 - 各种金属废弃物
- Scrap appliances
 - Scrap tires
 - Large pipes and pipe fittings
 - Forklift pallets
 - Various packaging drums
 - Automotive bodies
 - Various metal scrap

产品优势 Product Advantages

- 无筛网设计，大大提高撕碎效率
 - 采用行星齿轮减速机，保证工作环境安全稳定。
 - 独特的平行双轴撕碎系统，保证撕碎时的协调性和稳定性
- Screenless design significantly enhances shredding efficiency.
- Equipped with planetary gear reducers to ensure safe and stable operation.
- Unique parallel double-shaft shredding system guarantees coordination and stability during shredding.



机器型号 Machine model	WT600	WT800	WT1000	WT1200	WT1400	WT1600	WT2000
主轴长度 Spindle length (mm)	600	800	1000	1200	1400	1600	2000
主轴转速 Spindle speed (rpm)	16-25	10-15	10-15	10-15	10-15	10-15	10-15
主刀数量 Number of main blades (pcs)	30	20	24	24	28	32	40
刀片直径 Blade diameter (mm)	245	420	440	440	520	520	650
刀片厚度 Blade thickness (mm)	18.5	40	40	50	50	50	98
电机功率 Motor power (kw)	2×7.5	2×22	2×30	2×30	2×37	2×45	2×75
粉碎室有效尺寸 Effective size of (mm)	480×600	820×800	1020×800	1220×800	1420×950	1620×950	2020×1300
外形尺寸 Overall dimensions (mm)	2000×1100 ×1700	3000×1250 ×2150	4200×1600 ×2150	4800×2000 ×2150	5200×2200 ×2300	6000×2400 ×2650	8000×3200 ×3500
整机重量 Machine weight (kg)	1700	5000	6200	7500	9000	11000	15000

WSS Series Shredder-crusher Integrated machine

WSS系列破碎集成机

产品概述
Product Overview

WSS系列撕碎-破碎集成机是一种高效设备，集撕碎和破碎功能于一体，特别适用于各类塑料的回收处理。上部为撕碎机，配备高扭矩撕碎轴、耐磨合金刀片和强制送料推杆，以确保高效地粉碎物料。下部为破碎区，采用高速旋转刀片，能够将预撕碎的物料进一步打碎成均匀的小颗粒，随后进行后续处理。通过旋风系统收集和装袋。凭借其紧凑的结构、节省空间的的设计以及用户友好的操作，它成为塑料回收和加工的理想解决方案。

The WSS Series Shredder-crusher Integrated machine is a highly efficient piece of equipment that combines shredding and crushing functions into a single unit, making it particularly suitable for the recycling and processing of various types of plastics. The upper section serves as the shredding zone, equipped with a high-torque shredding shaft, wear-resistant alloy blades, and a forced-feed pusher to ensure efficient material shredding. The lower section functions as the crushing zone, utilizing high-speed rotating blades to further break down the pre-shredded material into uniform small particles for subsequent processing.

Material is collected and bagged via a cyclone system.

With its compact structure, space-saving design, and user-friendly operation, it serves as an ideal solution for plastic recycling and processing.



机器型号 Machine model	WSS600	WSS800	WSS1000	WSS1200
撕碎轴长度 Shredding Shaft Length (mm)	600	800	1000	1200
撕碎轴回转直径 Shredding Rotation Diameter (mm)	280	400	450	450
撕碎轴转速 Shredding Rotation Speed (rpm)	78	78	78	78
推料杆行程 Ram Travel (mm)	600	800	1000	1200
撕碎动刀数量 Shredding Rotor Blades (PCS)	30	38	42	54
撕碎定刀数量 Shredding Fixed Blades (PCS)	2	2	3	4
撕碎电机功率 Shredding Motor Power (kw)	22	37	45	55
液压功率 Hydraulic Power (kw)	2.2	3	4	4
撕碎筛网孔径 Shredding Screen Aperture (mm)	60	60	60	60
粉碎轴回转直径 Crushing Rotation Diameter (mm)	300	350	500	500
粉碎动刀数量 Crushing Rotor Blades (PCS)	6	6	6	6
粉碎定刀数量 Crushing Fixed Blades (PCS)	6	6	6	6
粉碎筛网孔径 Crushing Screen Aperture (mm)	8-20	8-20	8-20	8-20
粉碎电机功率 Crushing Motor Power (kw)	15	30	45	55
总功率 Total Power (kw)	39.2	70	94	114
外形尺寸 (L×W×H) Overall Dimension (mm)	1500×2100×2200	1850×2800×2600	2000×2900×3200	2300×3500×3200
整机重量 Weight (kg)	3200	5500	7000	10000

塑料回收清洗线

PE PP PET Plastic
crushing washing line

产品概述
Product Overview

塑料粉碎清洗线广泛用于处理废旧 PP 编织袋、PE 塑料薄膜、塑料袋、塑料垃圾、废旧地膜、尼龙薄膜、PET 瓶（如可乐瓶）及 PET 废塑料等。这是一条集粉碎、清洗、干燥于一体的生产线。
该生产线自动化程度高，可有效降低人工成本且后期维护成本低。它融合了国际先进的工业理念与技术，能够满足国内外废塑料回收的需求。此外，该塑料回收生产线可根据客户的车间布局，布置为“L”型或“U”型。

Plastic crushing washing line is widely used to treat waste PP woven bags, PE Plastic film, plastic bags, plastic garbage, waste plastic mulch film, nylon film, PET bottle (coke bottles) and scrap PET plastic etc. It is a crushing, washing, drying line. This production line is high automatic operating and save labor cost and low after maintenance. With advanced international industry concepts and technologies to meet waste plastic recycling at home or abroad. This plastic recycling machine line could be displayed in “L” or “U” shape according clients’ workshop.



主要特性
Main feature

- 拆包与喂料系统：配备专业的拆包与喂料系统，确保物料均匀输送，有效节省人工成本。
- 金属探测器（选配）：可根据需求选配金属探测器，用于精准剔除塑料中的各类金属杂质。
- 高效干燥系统：高速脱水机配合干燥系统，确保 PE/PP 薄膜及 PET 瓶片维持极低的含水率。
- 细粉粉尘分离机：高效去除瓶片中的残余标签及粉尘，严格把控 PET 瓶片中的 PVC 含量。
- We have the bale opening and feeding system which and equally feeding the material save labor.
- Metal detector is optional for you which used to take out any kinds of metal from the plastic.
- High speed dewatering machine and the drying system can guarantee the PE PP film and PET flakes low moisture.
- The fin dust separator machine will remove the final labels from the flakes to guarantee the PVC content.

产品优势
Product Advantages

- 高性价比：性能卓越且极具成本竞争优势。
- 物料适应性强：可根据不同物料需求灵活配置设备。
- 方案灵活：支持定制化方案，可根据实际需求增加或调整设备配置。
- 低损耗节能：能耗低，耗水量小，且水资源可周期性循环更换。
- 全产业链自产：全线设备均为自主生产，确保品质管控。
- 产能领先：高产能、大规模设计，且设备经久耐用，资质齐全。
- High cost performance
- Material optional
- Flexible scheme – equipment modification scheme can be added
- Small loss – small water consumption, water change in a period of time
- The whole process is our own production
- High capacity, large scale and long qualification

容量 Capacity	500kg/h	1000kg/h	1500kg/h	2000kg/h
处理能力 Capacity kg/h	500	1000	1500	2000
耗水量 Water Required T/h	1.5	1.8	8	10
操作人员数量 Man Power people	2-3	4-6	6-8	6-8
占地面积 Area Required m (L×W×H)	28×3×2.3	50×3×2.5	55×3×2.5	65×3×2.5
生产线布局 Line Layout	L/U/Straight line	L/U/Straight line	L/U/Straight line	L/U/Straight line

High-Versatility Two-Stage
Pelletizing System for Rigid & Soft Plastics

高通用性软硬塑料两用
双阶造粒系统

产品概述
Product Overview

双阶多螺杆挤出系统是一款高性能解决方案, 专为需要灵活处理硬质塑料破碎料 (如 ABS、PC 及硬质 PP/PE) 与软质塑料废料 (如 PE/PE 薄膜、编织袋) 的生产厂家设计。本系统采用“子母机”结构, 通过延长加工流程, 确保对各类物料实现高纯度造粒与高效排气。

The Two-Stage Multi-Extrusion System is a high-performance solution designed for manufacturers who require the flexibility to process both rigid plastic regrinds (such as ABS, PC, and rigid PP/PE) and soft plastic scraps (such as PE/PP films and woven bags). By utilizing a “Mother-Daughter” configuration, this system provides the extended processing path necessary to ensure high-purity granulation and superior degassing for diverse material streams.

产品优势
Product Advantages

- 双阶物料优化处理: 主“母机”挤出机负责稳定塑化与高强度排气, 副“子机”完成最终均化与高压过滤。
 - 软塑专用高效排气: 多组真空排气口可有效去除软质薄膜废料中常见的水分、油墨残留及挥发物, 保证粒子无气泡。
 - 硬料高扭矩处理能力: 配备重型齿轮箱与工业交流电机, 可轻松提供处理高密度硬质破碎料所需的扭矩。
 - 分级纯净过滤: 双阶均配置独立液压换网装置, 形成双层过滤保护, 去除杂质, 保证最终树脂品质优良。
 - 精准温控系统: 多段式加热冷却系统实现严格温控, 避免不同品类聚合物出现降解。
 - 集中自动化控制: 采用同步 PLC 控制系统, 操作人员可通过单一友好界面管控两台挤出单元。
- Dual-Stage Material Optimization: The primary “mother” extruder focuses on stable melting and high-intensity degassing, while the secondary “daughter” unit handles final homogenization and high-pressure filtration.
 - Advanced Degassing for Soft Plastics: Multiple vacuum degassing ports effectively remove moisture, ink residues, and volatiles commonly found in soft film scraps, ensuring bubble-free pellets.
 - High-Torque Performance for Rigid Materials: Equipped with heavy-duty gearboxes and industrial AC motors, the system provides the torque required to process dense, rigid regrinds with ease.
 - Sequential Purity Filtration: Independent hydraulic screen changers on both stages provide dual-layer protection, removing contaminants and ensuring a high-grade final resin.
 - Precise Thermal Management: Multi-zone heating and cooling systems maintain strict temperature control, preventing material degradation across different polymer types.
 - Centralized Automation: A synchronized PLC control system allows operators to manage both extrusion units from a single, user-friendly interface.

典型应用
Typical Applications

- 软质材料: 消费后及工业用PE/PP薄膜、拉伸缠绕膜和拉菲草。
 - 硬质材料: 来自电子产品、汽车零部件和家用电器的破碎硬质塑料 (ABS、PS、PC等)。
 - 工程塑料: 提供适用于尼龙 (PA6/PA66) 回收和改性的专用配置。
- Soft Materials: Post-consumer and industrial PE/PP films, stretch wraps, and raffia.
 - Rigid Materials: Crushed rigid plastics from electronics, automotive parts, and household appliances (ABS, PS, PC, etc.).
 - Engineering Plastics: Specialized configurations available for Nylon (PA6/PA66) recycling and modification.



机器型号 Machine model	SJ100	SJ110	SJ120	SJ130	SJ140	SJ150	SJ160
主螺杆直径 Screw Diameter mm	100	110	120	130	140	150	160
主螺杆长度 Length mm	2800	3200	3200	3600	3800	4200	4500
主电机功率 Motor Power KW	30	37	45	55	75	90	110
副螺杆直径 Screw Diameter mm	90	100	110	120	130	140	150
副螺杆长度 Length mm	900	1000	1100	1200	1300	1400	1500
副电机功率 Motor Power KW	7.5	11	15	18.5	30	30	37
温度控制区数量 Temperature Control -	9 groups	9 groups	9 groups	9 groups	9 groups	9 groups	10 groups
产量 Output t/24h	3-4	4-5	5-7	7-9	8-10	10-13	13-16