

自适应智能节能型大型输送破碎回收+金属探测+粉尘回收生产线
Adaptive Intelligent Energy-Saving Large Scale Recycling Production
Line for Crushing, Conveying, Metal Detection and Dust Separation

- 1、静音破碎机 Soundproof Granulator
- 2、自适应智能节能破碎机控制系统 Adaptive Intelligent Energy-Saving Granulator Control System
- 3、传送带 Conveyor
- 4、回收系统 Recycling System
- 5、自动筛粉装置 Powder Sifting Device
- 6、金属探测器 Metal Detector



自适应智能节能破碎机控制系统

ADAPTIVE INTELLIGENT ENERGY-SAVING
GRANULATOR CONTROL SYSTEM

该产品可用于携成GY/GD/GP/GV/GB系列破碎机以及所有集中静音破碎机搭配使用，也可用于对市面上破碎机进行节能改造，对比普通机型同等工况下可实现20%-40%的节能。

This product can be used with GY/GD/GP/GV/GB series granulators and all soundproof granulator with collector. It can also enables energy-saving retrofits for the market-available granulator. Compared with ordinary models, it can save 20%-40% of energy under the same working conditions.

特点：

- ◎配备自适应智能节能控制系统，系统可实时监测机台负载变化，根据实时负载数据，采用PWM调节技术，自动调节电压、电流输出，节能型对比普通机型同等工况下可节能20%-40%；
- ◎采用可控硅控制，响应速度、可靠性及安全性更高，抗震动及防粉尘方面表现更好；
- ◎采用液晶显示微电脑控制器，配备相序检测功能，料位检测功能，回收风机及筛粉风机控制功能；
- ◎配备一周24小时定时功能，实现整机预约自动运行；
- ◎配备通讯功能，实现自动化远程管理。

FEATURE:

- ◎Equipped with an adaptive intelligent energy-saving control system, the system can continuously monitor the load changes of the machine in real-time. Based on the real-time load data, it uses PWM (Pulse Width Modulation) control technology to automatically adjust the output voltage and current. Compared with ordinary models, can save energy by 20%-40% under the same working conditions;
- ◎Adpoted silicon-controlled rectifier (SCR) control, offer higher response speed, reliability and safety. Perform better in terms of anti-vibration and dust-proof capabilities;
- ◎Equipped with the touch screen display, with phase sequence detection , material level detection function, control functions for the recycling and the powder sifting blower;
- ◎Timing function for 24 hours and weekly setting to realize automatic running;
- ◎Equipped with communication functions to realize automated remote management.

技术参数 SPECIFICATIONS

规格 Specifications	功率(KW) Power	适配机型 Model compatibility	电压 Voltage
XC-GES5HP	4	1.5~5HP	220v/380v/415v 440v/460v/480v
XC-GES15HP	11	7.5~15HP	
XC-GES30HP	22	20~30HP	
XC-GES60HP	45	40~60HP	
XC-GES100HP	75	75~100HP	
XC-GES150HP	132	150~180HP	

产品规格若有改变，恕不另行通知。We reserve the right to change specifications without prior notice.

GB系列破碎机

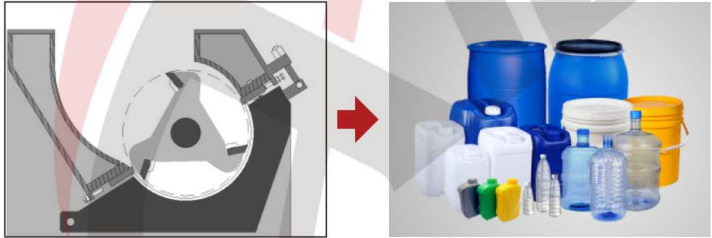
GB SERIES GRANULATOR

特点：

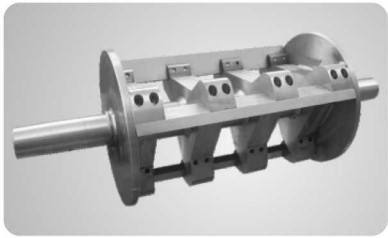
- ◎针对大型中空瓶、大型中空桶独特的前置刀型专利设计，独特的切削角度和超大切削空间设计，效率极高，成片均匀，粉末少；
- ◎投料斗四面双层隔音设计，内层采用不锈钢材质，中间填充隔音材料，静音效果好；
- ◎刀具采用高强度合金工具钢，硬度高，耐磨性强，刀片磨削可重复使用；
- ◎采用内六角螺丝沉孔安装，不会因为长时间使用而磨损螺丝；
- ◎≥75HP以上投料斗及筛网托架配备气缸系统，其他小型号可选配；
- ◎机架采用专利结构设计，承重能力更强，工作时震动更小；
- ◎可选配自动回收及自动筛粉系统，达到更好的收集效果。

FEATURE:

- ◎Special patent front-positioning blade design especially for hallow material like big size bottles and barrels, unique cutting angle and large cutting space design, excellent efficiency, even flake output and less powder occurred;
- ◎Feeding hopper with double-layered on 4 sides and the inner layer is made of stainless steel with insulation material in between to provide good noise handling;
- ◎Blades are made of high-strength alloy tool steel, with high hardness, good abrasion resistance, and long service life;
- ◎Adopted hexagon socket screw installation way of the blades, free from wearing lose on screws in long term utility;
- ◎≥ 75HP equipped with cylinder system on feeding hopper and mesh holder, optional for other small models as well;
- ◎Patent designed foot stand, with heavy duty capability and low vibration in running;
- ◎Optional for auto collecting and auto powder sifting device for better collecting purposes.



XC-GB30HP
标准配置
Standard Application



GB刀架
GB cutter saddle

技术参数 SPECIFICATIONS

型号 Model	XC-GB20HP	XC-GB30HP	XC-GB50HP	XC-GB75HP	XC-GB100HP
破碎口径/Grinding Chamber(mm)	530x400	660x450	830x520	1100x740	1100x740
功率/Power	Kw	15	22	37	75
	Hp	20	30	50	100
粉碎能力/Grinding Capacity(KG)	300-550	400-550	750-1080	800-1200	800-1200
固定刀/Stationary Cutter	2	4	4	4	4
旋转刀/Rotary Cutter	3	6	6	9	9
筛网孔径 Mesh size (mm)	Φ14	Φ14	Φ16	Φ16	Φ16
破瓶参考尺寸/ Barrel size (mm)	Φ260x490	Φ330x490	Φ420x780	Φ600x1000	Φ600x1000
外形尺寸/Dimensions(LxWxHxH1 mm)	1430x1120x1930x1458	1650x1330x2050x1550	2000x1610x2690x2030	2450x1940x3460x2710	2450x1940x3460x2710

注：H1代表地面离投料口高度

Note: H1 means the height of the ground from the feeding hopper.

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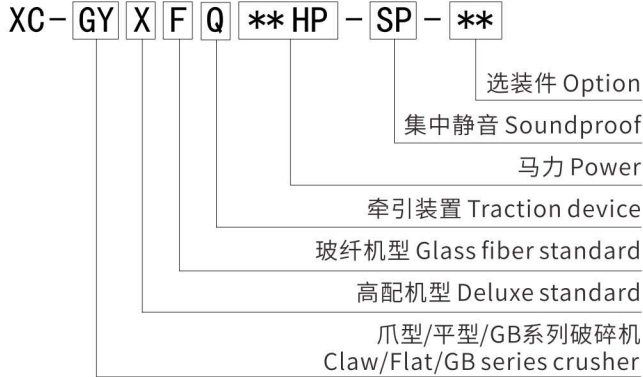
爪型/平型破碎机
CLAW/FLAT TYPE GRANULATOR

特点：

- ◎刀架采用高硬度钢质材料，前置刀片专利设计，强度更高，加大刀片切削角度，提高切削效率，成型颗粒形状均匀，粉末少。分爪型、平型两种，适用面更加广；爪型刀尤其针对大块胶头料或硬度较高的材料效果更好；
- ◎刀具采用高强度合金工具钢，硬度高，耐磨性强，刀片磨削可重复使用；
- ◎采用内六角螺丝沉孔安装，不会因为长时间使用而磨损螺丝；
- ◎投料斗四面双层隔音设计，内层采用不锈钢材质，中间填充隔音材料，静音效果好；
- ◎≥30HP以上机器箱体配备冷却系统，可有效的降低粉碎室和轴承的温度，避免粉碎料融结和提高轴承的使用寿命；
- ◎≥75HP以上投料斗及筛网托架配备气缸开启系统，其他小型号可选配；
- ◎机架采用专利结构设计，承重能力更强，工作时震动更小；
- ◎可选配自动回收及自动筛粉系统，达到更好的收集效果；
- ◎可定制破碎PA66/PA6+20%-50%GF材料专用机型，可大幅提高机器的使用寿命。

FEATURE:

- ◎Blade sets made of high hardness steel adopted with patent front-positioning blades design enlarging cutting angle and increasing cutting efficiency. Hence the output granules are even and with less powder or dust occurred. Models are divided into claw and flat types with wide applications. And the claw type blades are especially suitable for larger and harder subjects like injection lump plastics, etc.
- ◎Blades are made of high - strength alloy tool steel, with high hardness, good abrasion resistance, and long service life.
- ◎Adopted hexagon socket screw installation way of the blades, free from wearing lose on screws in the long-term utility.
- ◎Feeding hopper with double-layered on 4 sides and the inner layer is made of stainless steel with insulation material in between to provide good noise handling;
- ◎≥ 30HP default with chamber cooling system, effectively reducing the heat of chamber and shaft to ensure long durability and preventing material melting and fusion;
- ◎≥ 75HP equipped with cylinder system on feeding hopper and mesh screen, optional for other small models as well;
- ◎Patent designed foot stands with heavy duty capability and low vibration in running;
- ◎Optional for auto collecting and auto powder sifting device for better collecting purposes;
- ◎Available of tailor-made special models with much better durability and life span on processing materials of PA66/PA6+20%-50% GF.



XC-GYX30HP
Deluxe CE Standard 高配CE标准

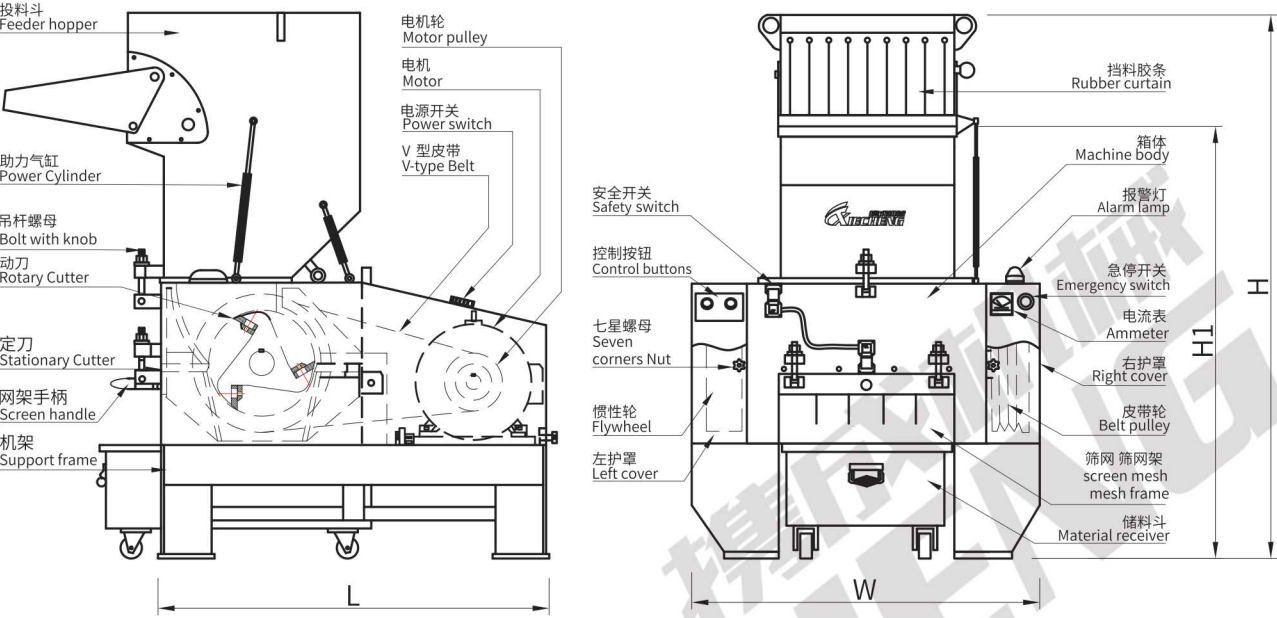


GY爪型刀架
GY claw cutter saddle



GD 平型刀架
GD flat cutter saddle

结构简图 STRUCTURE DIAGRAM



技术参数 SPECIFICATIONS

型号 Model	XC-GD10HP	XC-GD15HP	XC-GD20HP	XC-GD30HP	XC-GD50HP	XC-GD75HP	XC-GD100HP	XC-GD150HP
	XC-GD10HP-SP	XC-GD15HP-SP	XC-GD20HP-SP	XC-GD30HP-SP	XC-GD50HP-SP	XC-GD75HP-SP	XC-GD100HP-SP	XC-GD150HP-SP
粉碎口径/Grinding Chamber(mm)	360x260	420x280	480x330	660x350	720x500	955x820	1050x820	1445x900
粉碎能力/Grinding Capacity(KG/H)	170-340	255-420	300-460	420-680	680-1000	700-1200	850-1400	1200-1800
固定刀/Stationary Cutter	2	2	2	4	4	4	4	6
旋转刀/Rotary Cutter	6	6	6	9	9	12	12	15
筛网孔径/mesh size (mm)	Φ10	Φ10	Φ10	Φ12	Φ12	Φ12	Φ12	Φ14
功率/Power	KW	7.5	11	15	22	37	55	75
	HP	10	15	20	30	50	75	100
外形尺寸/Dimensions(LxWxHxH1 mm)	1000x830x1270x960	1200x995x1540x1215	1300x1075x1725x1350	1500x1330x1880x1480	2000x1535x2470x1914	2420x2050x3500x2460	2420x2145x3500x2460	2600x2710x3820x2800
净重约/Approx. Net Weight(KG)	540	800	1023	1723	2750	5400	6250	9400
静音尺寸/Dimension for sp(LxWxHxH1mm)	1250x880x1500x1190	1420x1020x1760x1440	1500x1140x1920x1540	1750x1400x2140x1735	2150x1570x2770x2200	2630x2070x3760x2720	2630x2165x3760x2720	2600x2710x4100x3020
回收风机功率/Collective Blower(KW)	2.2	2.2	2.2	3	4	5.5	7.5	7.5
静音重量约/Approx.N.W.for sp(KG)	750	1180	1400	2280	3630	5900	6500	10400
备注:型号"SP"代表集中静音破碎机。PS.: "SP" stands for soundproof granulator with collecting device.								

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技术参数 SPECIFICATIONS

型号 Model		XC-GY10HP	XC-GY15HP	XC-GY20HP	XC-GY30HP	XC-GY50HP	XC-GY75HP	XC-GY100HP	XC-GY150HP
		XC-GY10HP-SP	XC-GY15HP-SP	XC-GY20HP-SP	XC-GY30HP-SP	XC-GY50HP-SP	XC-GY75HP-SP	XC-GY100HP-SP	XC-GY150HP-SP
粉碎口径/Grinding Chamber(mm)		360x260	420x280	480x330	660x350	720x500	955x820	1050x820	1445x900
粉碎能力/Grinding Capacity(KG/H)		200-400	300-500	350-550	500-800	800-1200	850-1300	1000-1500	1400-2000
固定刀/Stationary Cutter		2	2	2	4	4	4	4	6
旋转刀/Rotary Cutter		18	21	24	27	27	30	33	45
筛网孔径/mesh size (mm)		Φ10	Φ10	Φ10	Φ12	Φ12	Φ12	Φ12	Φ14
功率/Power	KW	7.5	11	15	22	37	55	75	110
	HP	10	15	20	30	50	75	100	150
外形尺寸/Dimensions(LxWxHxH1 mm)		1000x830x1270x960	1200x995x1540x1215	1300x1075x1725x1350	1500x1330x1880x1480	2000x1535x2470x1914	2420x2050x3500x2460	2420x2145x3500x2460	2600x2710x3820x2800
净重约/Approx. Net Weight(KG)		540	835	1100	1810	2750	5400	6250	10000
静音尺寸/Dimension for sp(LxWxHxH1mm)		1250x880x1500x1190	1420x1020x1760x1440	1500x1140x1920x1540	1750x1400x2140x1735	2150x1570x2770x2200	2630x2070x3760x2720	2630x2165x3760x2720	2600x2710x4100x3020
回收风机功率/Collective Blower(KW)		2.2	2.2	2.2	3	4	5.5	7.5	7.5
静音重量约/Approx.N.W.for sp(KG)		860	1180	1400	2280	3630	5900	9000	11000
备注:型号"SP"代表集中静音破碎机。PS.: "SP" stands for soundproof granulator with collecting device.									

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GWV系列高效破碎机

GWV SERIES HIGH EFFICIENCY GRANULATOR

GWV系列高效破碎机是携成研发工程师16年来,结合全球用户的共性需求开发的一款模块化、高性能的破碎机,此机型可以在大部分塑料粉碎回收中应用,尤其针对薄膜、PET矿泉水瓶、型材、管材和板材,吹塑件、注塑件都是最理想的选择,该机型采用外置轴承,箱体可以双向打开方便清理、维护,具有产量高、耐磨耐用、维护简便等显著优点。

The GWV Series High Efficiency Granulator is a modular, high-performance granulator developed by Xiecheng's R&D engineers over 16 years, based on the common needs of global users. This model can be applied to the crushing and recycling of most plastics, and is an ideal choice especially for films, PET mineral water bottles, profiles, pipes and sheets, as well as blow-molded and injection-molded parts. Featuring externally mounted bearings and a chamber that can be opened from both sides for easy cleaning and maintenance, it offers notable advantages such as high output, wear resistance, durability, and easy maintenance.



特点:

- ◎独特的剪刀型刀架结构,切削效率更高;
- ◎外置轴承设计,轴承座独立于箱体,减少轴承损坏几率;
- ◎倾斜式上下对开箱体,便于清理、维护及检修;
- ◎箱体内左右两端侧板采用可更换的高强度耐磨钢板,延长机器使用寿命;
- ◎刀具采用高强度合金工具钢,硬度高,耐磨性强,刀片磨削可重复使用;
- ◎采用内六角螺丝沉孔安装,不会因为长时间使用而磨损螺丝;
- ◎投料斗四面双层隔音设计,中间填充隔音材料,有效降低噪音;
- ◎独立控制电箱,标配自动回收系统,自动送料,提高效率;
- ◎具有多项安全保护装置,确保操作安全。
- ◎采用多排刀设计,600-800型配备3排刀,1100型配备5排刀,1200型配备7排刀,以适配不同物料破碎,提高产量,达到更好的破碎效果;

FEATURE:

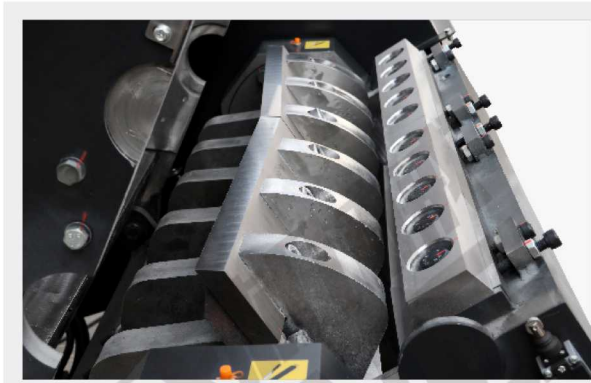
- ◎ Unique scissor-type blade holder structure for higher cutting efficiency;
- ◎ External bearing design, with bearing housing independent of the chamber, reducing the risk of bearing damage;
- ◎ Inclined, split chamber design that opens top and bottom for easy cleaning, maintenance, and inspection;
- ◎ Replaceable high-strength wear-resistant steel side plates inside both ends of the chamber to extend machine service life;
- ◎ Blades made of high-strength alloy tool steel, with high hardness, good abrasion resistance, and reusable after sharpening;
- ◎ Adopted hexagon socket screw countersunk installation, preventing screw wear from long-term use;
- ◎ Feeding hopper with four-side double-layer design, filled with soundproofing material in between, effectively reducing noise;
- ◎ Independent control panel, standard with automatic collecting system for automatic feeding, improving efficiency;
- ◎ Multiple safety protection devices to ensure operational safety;
- ◎ Multi-row blade design: Model 600-800 equipped with 3 rows of blades, Model 1100 with 5 rows, and Model 1200 with 7 rows, to adapt to crushing different materials, increase output, and achieve better crushing results.

V型刀架:

V型刀架适合破碎大多数类型的物料。其动刀由高强度刀架稳固支撑,可承受较大的冲击力。独特的V型动刀排布,配合定刀从转子两端向中间行成双向剪切,使物料向箱体中间集中,避免物料在箱体两侧堆积,降低能耗,减少刀具和箱体侧壁的磨损,有效提高产量。

V-Shaped Blade Holder:

The V-shaped blade holder is suitable for crushing most types of materials. Its rotating blades are firmly supported by the high-strength holder, enabling them to withstand significant impact forces. The unique V-shaped arrangement of the rotating blades, working in conjunction with the stationary blades, creates a double shear action from both ends of the rotor towards the center. This concentrates the material in the middle of the chamber, preventing accumulation on both sides, thereby reducing energy consumption, minimizing wear on the blades and chamber side walls, and effectively increasing output.



V型刀架
V-Shaped Blade Holder

技术参数 SPECIFICATIONS

型号 Model		XC-GWV600	XC-GWV800	XC-GWV1100	XC-GWV1200	XC-GWV1600
粉碎口径/Grinding Chamber(mm)		610×330	820×330	1100×560	1200×700	1600×700
粉碎能力/Grinding Capacity(Kg/h)		180-320	250-390	700-1000	800-1200	1500-2000
固定刀/Stationary Cutter		4	4	4	4	6
旋转刀/Rotary Cutter		6 (3排刀Rows)	6 (3排刀Rows)	10 (5排刀Rows)	14 (7排刀Rows)	14 (7排刀Rows)
筛网孔径 Mesh Size (mm)		Φ12	Φ12	Φ12	Φ14	Φ14
功率/Power	Kw	15	22	55	75	110
	Hp	20	30	75	100	150
外形尺寸/Dimension(DxWxH1 mm)		1220×1200×2300	1420×1300×2300	1950×2200×3200	2050×2200×3200	2500×2750×3400
净重约/Approx. Net Weight(Kg)		1600	1900	5500	5800	7200
静音尺寸/Dimension For Sp(mm)		1620×1600×2300	1820×1700×2300	2450×2700×3200	2600×2700×3200	3000×3200×3400
回收风机功率/Collective Blower(Kw)		2.2	3	7.5	7.5	7.5
静音重量约/Approx.N.W.For Sp(Kg)		1900	2200	6000	6300	7500

备注:型号"SP"代表集中静音破碎机。PS.: "SP" stands for soundproof granulator with collecting device.

说明:此粉碎能力根据PET矿泉水瓶计算,不同产品粉碎能力不相同。Note: The capacities are based on PET water bottles and may differ with other materials.

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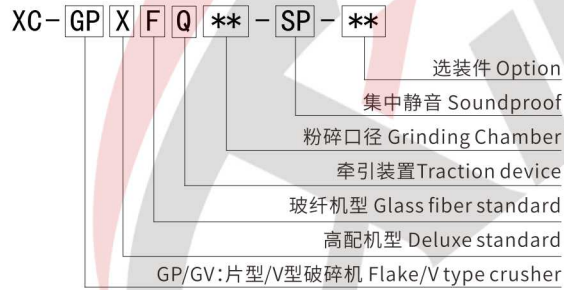
片型破碎机
FLAKE TYPE GRANULATOR

特点：

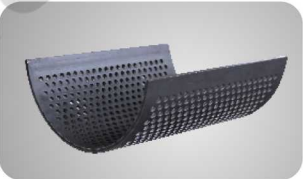
- ◎片型刀结构设计，适合破碎普通片材、管材、型材、板材及包装材料等塑料制品、浇道口物料；
- ◎投料斗前后双层隔音设计，中间填充隔音材料，有效降低噪音；
- ◎刀具采用高强度合金工具钢，硬度高，耐磨性强，刀片磨削可重复使用；
- ◎具有多项安全保护装置，确保操作安全；
- ◎≥30HP以上机器箱体配备冷却系统，可有效的降低粉碎室和轴承的温度，避免粉碎料融结和提高轴承的使用寿命；
- ◎≥75HP以上投料斗及筛网托架配备气缸开启系统，其他小型号可选配；
- ◎可选配自动回收及自动筛粉系统，达到更好的收集效果。

FEATURE:

- ◎Flake type blade design, suitable for crushing general plastics like sheets, tube, profiles and packing materials, also runners, etc;
- ◎Feeding hopper with back and front double layered insulation for effective noise handling;
- ◎Blades are made of high-strength alloy tool steel, with high hardness, good abrasion resistance, and long service life;
- ◎Equipped with multiple safety protection devices to ensure safe operation
- ◎≥ 30HP default with chamber cooling system, effectively reducing the heat of chamber and shaft to ensure long durability and preventing material melting and fusion;
- ◎≥ 75HP equipped with cylinder system on feeding hopper and mesh holder, optional for other small models as well;
- ◎Optional for auto collecting and auto powder sifting device for better collecting purposes.



XC-GP500
Standard Application 标准配置



筛网 screen mesh
筛网之孔径决定破碎颗粒大小，可根据客户要求订做。
The mesh size determines the size of the crushed material and can be customized according to customer requirements.



片型刀架
Flake cutter saddle

技术参数 SPECIFICATIONS

型号 Model	XC-GP230	XC-GP300	XC-GP400	XC-GP500	XC-GP600	XC-GP800	XC-GP960	XC-GP1100	XC-GP1200
	XC-GP230-SP	XC-GP300-SP	XC-GP400-SP	XC-GP500-SP	XC-GP600-SP	XC-GP800-SP	XC-GP960-SP	XC-GP1100-SP	XC-GP1200-SP
粉碎口径/Grinding Chamber(mm)	230x200	310x200	410x240	510x300	610x330	815x470	960x610	1100x800	1200x800
粉碎能力/Grinding Capacity(Kg/h)	100-150	150-200	200-250	300-350	350-450	450-600	800-1000	1000-1200	1000-1500
固定刀/Stationary Cutter	2	2	2	2	4	4	4	4	4
旋转刀/Rotary Cutter	6	9	12	15	18	24	30	33	36
筛网孔径 Mesh Size (mm)	Φ8	Φ8	Φ8	Φ10	Φ10	Φ10	Φ12	Φ12	Φ12
功率/Power	Kw	4	5.5	7.5	11	15	22/30	37/45/55	75
	Hp	5	7.5	10	15	20	30/40	50/60/75	100
外形尺寸/Dimensions(LxWxHxH1 mm)	800x660x1120x875	920x725x1200x960	980x810x1260x985	1200x970x1570x1230	1200x1070x1670x1300	1600x1555x2190x1670	2000x1725x2720x2050	2420x2200x3430x2380	2420x2300x3430x2380
净重约/Approx. Net Weight(Kg)	277	420	500	805	940	2000	3000	6000	6500
静音尺寸/Dimension For Sp(mm)	1020x730x1320x1075	1250x830x1530x1280	1350x930x1590x1320	1560x1070x1784x1440	1560x1170x1870x1500	1900x1510x2460x1940	2150x1794x2990x2320	2630x2280x3800x2760	2630x2380x3800x2760
回收风机功率/Collective Blower(Kw)	2.2	2.2	2.2	2.2	2.2	3	4/5.5	7.5	7.5
静音重量约/Approx.N.W.For Sp(Kg)	400	535	604	1220	1420	2380	3500	6500	6800

备注：型号“SP”代表集中静音破碎机。PS.: “SP” stands for soundproof granulator with collecting device.

产品规格若有改变，恕不另行通知。We reserve the right to change specifications without prior notice.

集中静音破碎机
SOUNDPROOF GRANULATOR WITH COLLECTOR

特点：

- ◎机身采用全封闭式结构，配备隔音装置，可有效降低粉碎时所产生的噪音；
- ◎配备电流继电器，具有马达过载保护、相序保护等多重安全保护装置；
- ◎标配送料风机及旋风器，可自动送料，提高效率；
- ◎配备粉尘收集布袋，便于清理，减少污染；
- ◎≥15HP以上投料斗配备助力气弹簧，≥30HP以上投料斗和筛网托架配备气缸系统，节省人力；
- ◎配备避震脚，可有效减少工作时产生的震动；
- ◎可选配自动筛粉装置。

FEATURE:

- ◎Optimized fully hermetic structure with soundproof insulation, ensuring minimal noise during the crushing process;
- ◎Equipped with current relay, multiple safety devices including motor overload and phase protectors etc;
- ◎Adopted blower and cyclone, can automatically feed materials and improve efficiency;
- ◎Equipped with dust collecting bag for handy cleaning;
- ◎≥15HP with Power-assisted air spring for feeding hopper, ≥ 30HP default with cylinder on hopper and mesh holder, save labor;
- ◎Default with level pad to reduce the vibration when machine running.
- ◎Optional for Auto Powder Sifting Device.



XC-GY20HP-SP
标配静音集中破碎机
Standard Soundproof Granulator With Collector

结构简图 STRUCTURE DIAGRAM

- ① 活动入料口 Adjustable Feeder

② 助力气缸 Booster

③ 前门把手 Front Door Handle

④ 挡料胶条 Rubber Curtain

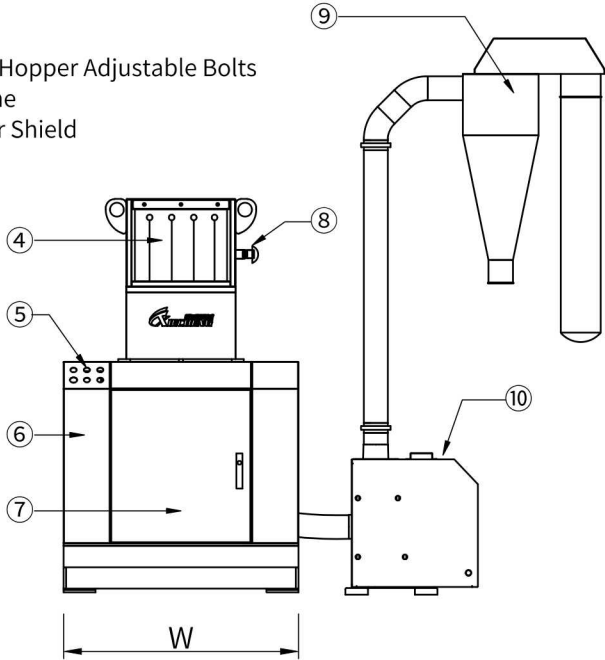
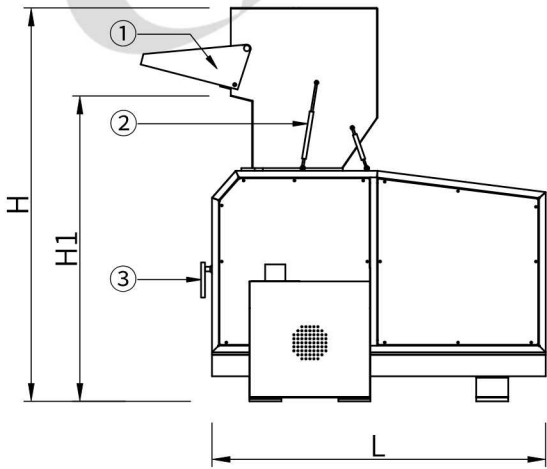
⑤ 操作面板 Control Panel
- ⑥ 护罩 Cover

⑦ 门板 Door

⑧ 入料口调节螺栓 Hopper Adjustable Bolts

⑨ 旋风器 Cyclone

⑩ 风机护罩 Blower Shield



片材在线破碎机

EDGE ONLINE GRANULATOR

片材在线破碎机专为与片材、板材、吸塑成型等挤出生产线配套连线而设计。在生产运行中，片板材两侧会产生连续的边料。为确保边料保持洁净、干燥状态，该破碎机通过牵引装置将边料压实，随即送入粉碎室切削成均匀的片状碎料，经送料风机将其吹送到挤出机的料斗位置，再经片板材挤出机上面的小型螺杆与主螺杆一起将新料、回收料压送成型循环利用。也可通过送料风机直接吹送入混料机中混合搅拌使用，从而实现边料的100%在线回收利用，节约生产成本，优化生产流程管理。

The Edge online granulator is specially designed for matching and connecting with extrusion production lines such as sheet, plate and blister forming lines. During production operation, continuous edge trimmings are generated on both sides of sheets and plates. To ensure the edge trimmings remain clean and dry, the granulator compacts the edge trimmings through a traction device, then feeds them into the crushing chamber to cut them into uniform flake scraps. The scraps are blown to the hopper of the extruder by a feeding blower, and then the new materials and recycled materials are conveyed and formed for circular utilization by a small screw and the main screw on the sheet and plate extruder together. They can also be directly blown into a mixer for mixing by the blower, thus realizing 100% online recycling of edge trimmings, saving production costs and optimizing production process management.



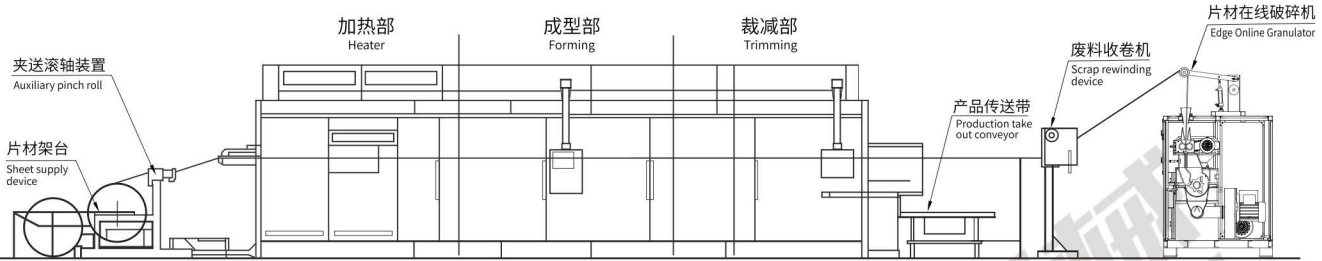
特点：

- ◎各种软硬边料经牵引系统自动牵引至粉碎室粉碎，无需人工参与；
- ◎牵引电机采用变频调速，可根据需求调整牵引速度；
- ◎配备物料缺少或牵引过快限位开关，实现牵引装置的牵引速度与成型机生产线速度同步；
- ◎刀架采用剪刀型结构设计，切削效率更高；
- ◎刀具采用DC53/特殊钢制造而成，硬度高、韧性好、耐磨性强，便于粉碎各种软硬边料，粉碎能力强；
- ◎外置轴承设计，轴承座独立于箱体，减少轴承损坏几率；
- ◎送料风机采用独特的叶轮设计，增大风量，输送能力强且运行稳定；
- ◎机身采用全封闭结构，配备隔音装置，可有效降低粉碎时所产生的噪音；
- ◎具有马达过载、相序保护、限位保护等多项安全保护装置，确保操作安全；
- ◎配备避震脚，可有效减少工作时产生的震动；
- ◎粉碎回收边角料的厚度范围为0.2~3.5mm。

FEATURE:

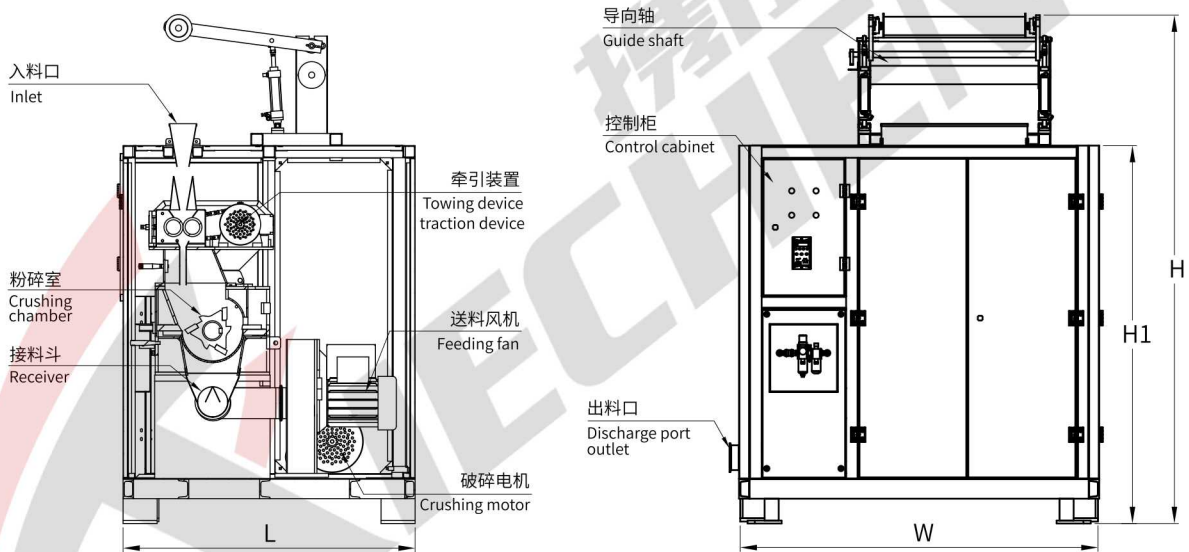
- ◎ Various hard and soft edge trimmings are automatically pulled to the crushing chamber for crushing by the traction system without manual intervention.
- ◎ The traction motor adopts frequency conversion speed regulation, and the traction speed can be adjusted according to requirements.
- ◎ Equipped with limit switches for material shortage or excessive traction speed to realize the synchronization of the traction speed of the traction device with the production line speed of the forming machine.
- ◎ The cutter saddle adopts a scissor-type structural design with higher cutting efficiency.
- ◎ The cutters are made of DC53/special steel, featuring high hardness, good toughness and strong wear resistance, suitable for crushing various hard and soft edge trimmings with strong crushing capacity.
- ◎ External bearing design with the bearing seat independent of the box body reduces the probability of bearing damage.
- ◎ The feeding blower adopts a unique impeller design, increasing air volume, with strong conveying capacity and stable operation.
- ◎ The body adopts a fully enclosed structure with a sound insulation device, which can effectively reduce the noise generated during crushing.
- ◎ Equipped with multiple safety protection devices such as motor overload protection, phase sequence protection and limit protection to ensure operational safety.
- ◎ Fitted with shock-absorbing feet to effectively reduce vibration during operation.
- ◎ The thickness range of crushed and recycled edge trimmings is 0.2~3.5mm..

安装示意图 INSTALLATION DIAGRAM



在线破碎机搭配吸塑成型生产线示意图
Schematic Diagram of an Edge Online Granulator Integrated with a Blister Forming Production Line

结构简图 STRUCTURE DIAGRAM



技术参数 SPECIFICATIONS

型号 Model		XC-GEO400	XC-GEO600	XC-GEO800	XC-GEO1000	XC-GEO1200
粉碎口径/Grinding Chamber(mm)		400×260	600×260	800×330	1000×330	1200×330
粉碎能力/Grinding Capacity(Kg/h)		100-200	150-300	300-500	600-800	600-800
固定刀/Stationary Cutter		2	4	4	6	6
旋转刀/Rotary Cutter		6	6	6	9	9
筛网孔径 Mesh Size (mm)		Φ10	Φ10	Φ10	Φ12	Φ12
功率/Power	Kw	4	7.5	11	15	22
	Hp	5	10	15	20	30
外形尺寸/Dimension(LxWxH1**Hmm)		1350×1200×1500×2100	1550×1200×1560×2200	1750×1300×1660×2300	1950×1400×1760×2400	2150×1500×1760×2400
回收风机功率/Collective Blower(Kw)		3	4	5.5	7.5	7.5

产品规格若有改变，恕不另行通知。We reserve the right to change specifications without prior notice.

碎料自动回收系统

GRANULATING AUTO COLLECTING SYSTEM

特点:

- ◎回收风机采用独特设计, 风力大、叶片耐磨性强, 风叶拆装便捷, 容易清洁;
- ◎可与任意型号破碎机搭配使用;
- ◎经破碎机破碎过的碎料自动回收, 无需人工参与;
- ◎管道及回收桶采用不锈钢材料制作, 防止物料不受污染;
- ◎配置集尘装置, 收集粉尘, 防止空气污染;
- ◎拆装、清理方便快捷。

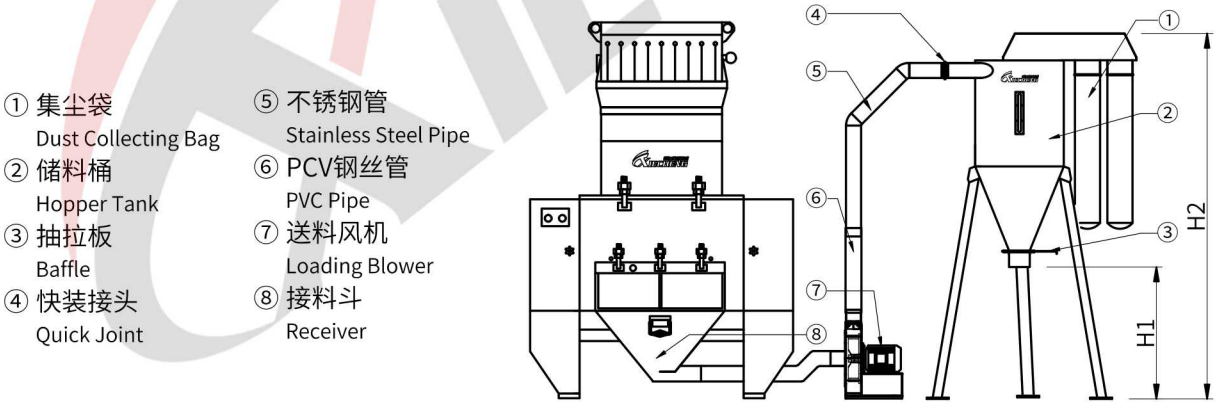
FEATURE:

- ◎Recycling blower is uniquely designed with strong wind power, wear-resistant paddle, convenient disassembly and easy cleaning;
- ◎Compatible with all series of granulators;
- ◎Automatic collecting regrinds from crusher, no need manual involvement required;
- ◎Pipes and recycling silo are made of stainless steel to prevent materials from being contaminated;
- ◎Equipped with dust collection device to collect dust and prevent air pollution;
- ◎Easy and fast to disassemble and clean.

XC-HS- ** HP
自动回收系统 Collecting system
马力 Power



结构简图 STRUCTURE DIAGRAM



技术参数 SPECIFICATIONS

型号 Model	XC-HS3HP	XC-HS4HP	XC-HS5HP	XC-HS7.5HP	XC-HS10HP
马达Motor Power	2.2KW/3HP	3KW/4HP	4KW/5HP	5.5KW/7.5HP	7.5KW/10HP
配管直径Loading Pipe Diameter (mm)	Φ89	Φ102	Φ102	Φ127	Φ127
输送高度Lift(m)	3	4	5	5	5
储料桶容量Hopper Capacity(Kg)	100		200		
适配破碎机型Suitable Crusher Model(Hp)	5~20	30~40	50	75	100
回收桶高度 Height of Collecting Tank(mm)	H1 970	970	970	1075	1075
	H2 2850	2850	2850	2950	2950

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自动筛粉装置

AUTO POWDER SIFTING DEVICE

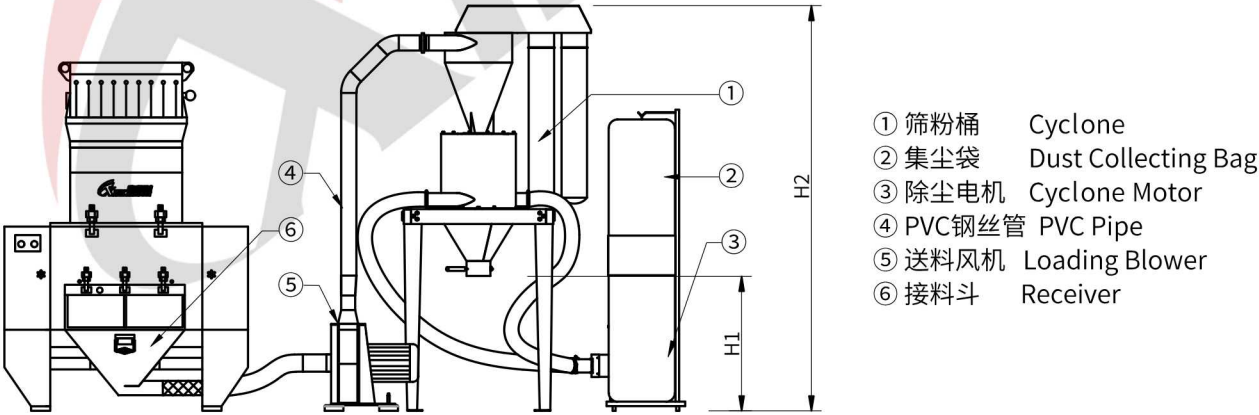
特点:

- ◎本装置为配合各系列强力粉碎机产品使用, 粉碎机在碎料过程中会产生一定的细小粉末, 此装置的作用就是将这些粉末自动分离开;
- ◎采用自动送料, 利用真空吸料原理, 把粉碎料自动送入分离器;
- ◎粉末自动分离, 使粉碎过程中产生的粉末, 通过分离器从颗粒中分离出去;
- ◎旋风及除尘系统采用不锈钢材质, 防止物料不受污染;
- ◎适用于各系列各种规格粉碎机使用。

FEATURE:

- ◎Compatible with Xiecheng full series of powerful granulators, during granulating process some small powder may occur, the sifter device is to automatically separate out the powder from the granulated output;
- ◎Automatic Conveying—by vacuum suction the granulated material will be automatically convey to the separator;
- ◎Automatic Separation of powder—separating powder generated during the granulating process through the separator;
- ◎The cyclone and dust removal system are made of stainless steel to prevent materials from being contaminated;
- ◎Suitable for all granulator models.

结构简图 STRUCTURE DIAGRAM



技术参数 SPECIFICATIONS

型号Model	XC-SC3-3HP	XC-SC4-3HP	XC-SC5-3HP	XC-SC7.5-3HP	XC-SC10-3HP
回收风机 Collective Blower(Hp/kw)	3HP/2.2KW	4HP/3KW	5HP/4KW	7.5HP/5.5KW	10HP/7.5KW
回收风机管径Collective Blower Pipe Diameter(mm)	89	102	102	127	127
筛粉风机Dust Separated Blower(HP/KW)	3HP/2.2KW				
筛粉风机管径Dust Separated Blower Pipe Diameter(mm)	89				
适用机型Models	5HP-20HP	30HP-40HP	50HP	75HP	100HP

产品规格若有改变, 恕不另行通知。We reserve the right to change specifications without prior notice.

啃齿式慢速机边破碎机
SCREENLESS LOW SPEED ONLINE GRANULATOR

特点：

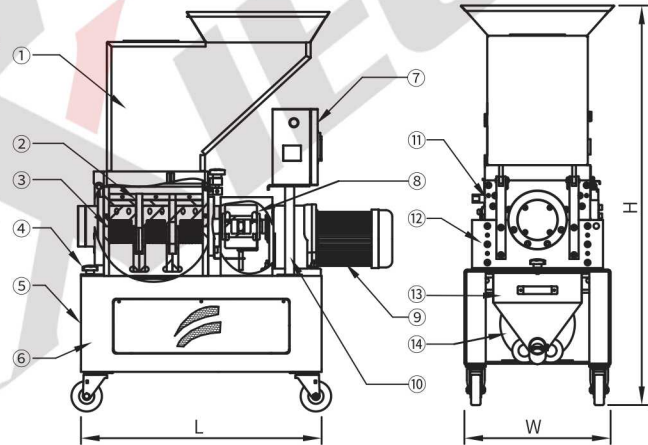
- ◎采用啃齿式刀具搭配切断刀设计，低转速，无筛网，无漏切削，颗粒度好，粉末极少；
- ◎具有卡料自动逆转功能，可自动清除堵塞粉碎料，对电机全方位保护；
- ◎具有定时开关机功能，节省能源；
- ◎微电脑控制，具有两料比例阀控制功能，操作直观，维护简单；
- ◎投料斗双层隔音设计，中间填充隔音材料，低噪音；
- ◎破碎室快捷拆装方式设计，清理维护更便捷；
- ◎具有缺相逆向保护功能、电机过载保护、限位保护等多重保护装置；
- ◎本机有送料型和抽料型两种选择。

FEATURE:

- ◎With the teeth cutters and hook cutters design, running with low rotary speed, screenless, no leftovers, evenly output and least dust produced;
- ◎Capable of auto reverse running and clearing of jammed materials, all-round protection of the motor;
- ◎With timing function to turn on or off, saving energy;
- ◎Controlled by microcomputer, with two material proportional valve control function, easy operation and maintenance;
- ◎Double layered soundproof designed feeding hopper, low noise;
- ◎Fast disassembly and assembly design for processing chamber, easy to clean and maintain;
- ◎With multiple protections as phase sequence protection, overload protection, limit protection, etc;
- ◎The configuration offers options for either active or passive material collection.

结构简图 STRUCTURE DIAGRAM

- ① 接料斗 Receiver
- ② 钩刀 Hook knife
- ③ 啃齿刀 Tooth gnawing knife
- ④ 五星螺母 Quick Joint
- ⑤ 机架 Stainless Steel Pipe
- ⑥ 机架护罩管 PVC Pipe
- ⑦ 电箱 Loading Blower
- ⑧ 联轴器 Coupling
- ⑨ 电机 Motor
- ⑩ 电箱支架 Electric box support
- ⑪ 上箱体 Upper box
- ⑫ 下箱体 Lower box
- ⑬ 接料斗 Hopper
- ⑭ 气泵 Air pump



技术参数 SPECIFICATIONS

型号 Model	XC-GO1HP	XC-GO2HP	XC-GO3HP	XC-GO5HP	XC-GO1HPRC	XC-GO2HPRC	XC-GO3HPRC	XC-GO5HPRC
投料斗尺寸(mm)Feeding Hopper Size	365x380	505x520	505x580	580x580	365x380	505x520	505x580	580x580
粉碎室口径(mm) Grinding Chamber	250x240	310x310	310x420	380x430	250x240	310x310	310x420	380x430
粉碎能力(kg/h) Grinding Capacity	10-15	20-25	22-27	24-30	10-15	20-25	22-27	24-30
功率 Power(Kw)	1.1	1.5	2.2	3.7	1.1	1.5	2.2	3.7
固定刀 Stationary Cutter	6	6	8	8	6	6	8	8
动力(菠萝刀) Teeth Cutter	3	3	4	4	3	3	4	4
旋转刀 Hook Cutter	2	2	3	3	2	2	3	3
外形尺寸(长*宽*高) LxWxH(mm)	1000x500x1315	1055x570x1315	1200x570x1315	1250x650x1316	1000x500x1315	1055x570x1315	1200x570x1315	1250x650x1316
主轴转速(转/分) Spindle Speed(R/Min)	25	25	25	25	25	25	25	25
风机功率KW(送料型) Blower Power Kw(Active Collecting)	/	/	/	/	0.55KW	0.55KW	0.55KW	0.55KW
备注 Note	需另搭配吸料机和比例阀使用 Should be used with auto loader and proportional valve				带回收系统 Equipped with recycled system			

产品规格若有改变，恕不另行通知。We reserve the right to change specifications without prior notice.

低速机边破碎机
LOW SPEED ONLINE GRANULATOR

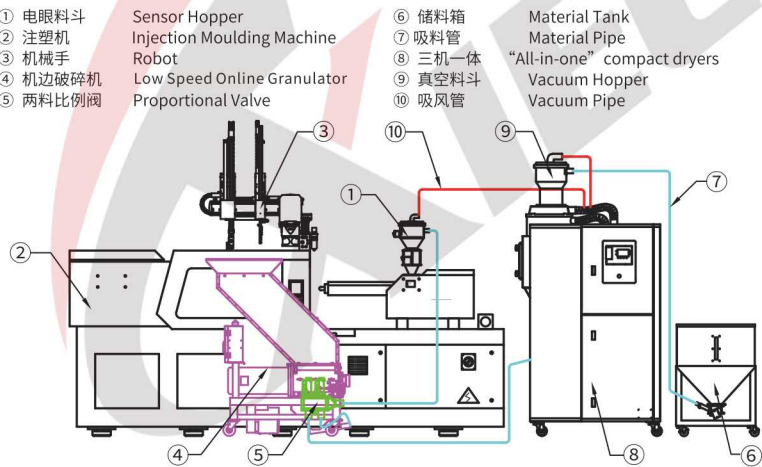
特点：

- ◎低速破碎，阶梯形旋转刀排列成V形设计，噪音低、颗粒均匀、粉末少；
- ◎减速机直接驱动，运转平稳；
- ◎具有定时开关机功能，节省能源；
- ◎微电脑控制、具有两料比例阀控制功能，操作直观，维护简单；
- ◎投料斗双层隔音设计，低噪音；
- ◎投料斗、筛网托快捷拆装方式设计，清理维护更便捷；
- ◎具有缺相逆向保护功能、电机过载保护、限位保护等多重保护装置；
- ◎本机有送料型和抽料型两种选择。

FEATURE:

- ◎Low speed grinding with the V shape stepped rotary cutters design, low noise, evenly output and less dust occurred;
- ◎Direct driven reducer ensures stable running;
- ◎With timing function to turn on or off, saving energy;
- ◎Controlled by microcomputer, with two material proportional valve control function, easy operation and maintenance;
- ◎Double layered soundproof designed feeding hopper, low noise;
- ◎Fast disassembly and assembly design for processing chamber, easy to clean and maintain;
- ◎With multiple protections as phase sequence protection, overload protection, limit protection, etc.;
- ◎Configuration is optional on active or passive collecting;

安装示意图 INSTALLATION DIAGRAM



技术参数 SPECIFICATIONS

型号 Model	XC-GS2HP	XC-GS3HP	XC-GS5HP	XC-GS2HPRC	XC-GS3HPRC	XC-GS5HPRC
投料斗口尺寸(mm)Feeding Hopper Size	320x310	380x310	440x310	320x310	380x310	440x310
破碎口径(mm) Grinding Chamber	260x310	320x310	380x310	260x310	320x310	380x310
粉碎能力 (Kg/h) Grinding Capacity	22	27	33	22	27	33
功率Power Kw	1.5	2.2	3.7	1.5	2.2	3.7
固定刀 Stationary Cutter	2	2	2	2	2	2
旋转刀 Hook Cutter	27	33	39	27	33	39
筛网孔径 (mm)	6	6	6	6	6	6
外形尺寸(长*宽*高) LxWxH(mm)	850x500x1500	1000x500x1500	1150x500x1500	850x500x1500	1000x500x1500	1150x500x1500
主轴转速(分钟/转) Spindle Speed(R/Min)	140	140	140	140	140	140
风机功率Kw(送料型) Blower Power Kw(Active Collecting)	/	/	/	0.55	0.55	0.55
备注 Note	需另搭配吸料机和比例阀使用 Should be used with auto loader and proportional valve			带回收系统 Equipped with recycled system		

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中速机边破碎机

MEDIUM SPEED ONLINE GRANULATOR

中速破碎机适用于浇道口物料、料头、次品的即使粉碎再利用，操作简单，性能优异；采用适中的转速运转将粉屑、噪音的产生及刀具磨损降到最低点，并且设置多种安全保护装置符合欧洲安全标准。

XC-GM medium speed series granulators are applied for instant recycling materials of sprues, runners, insufficient products, which is easy to operate and with excellent functions. The speed is properly designed to minimize powder, running noise and abrasion of cutter blades occurred in crushing process. The series are adopted with multiple safety devices to conform European safety standards.

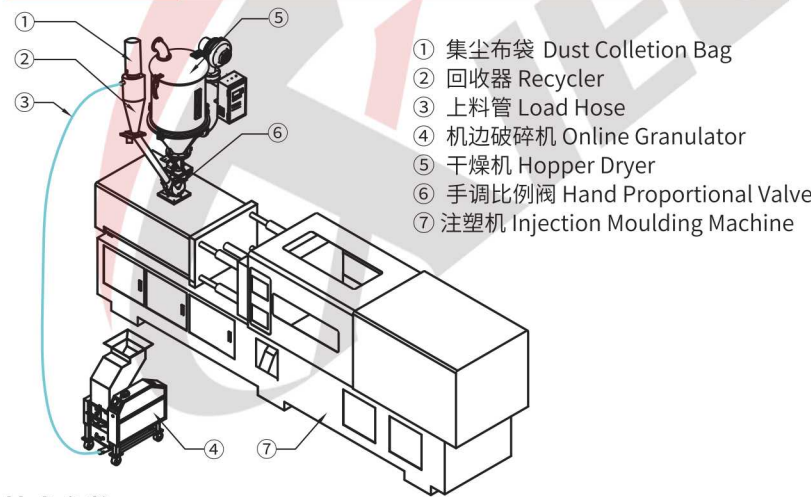
特点：

- ◎中速破碎，低能耗，体积小，占地面积少；
- ◎维护，清理便捷，高安全操作设计；
- ◎刀架采用高硬度钢质材料，前置刀片专利设计，强度更高，加大刀片切削角度，提高切削效率，成型颗粒形状均匀，粉末少；
- ◎刀具采用高强度合金工具钢，硬度高，耐磨性强，刀片磨削可重复使用；
- ◎采用内六角螺丝沉孔安装，不会因为长时间使用而磨损螺丝；
- ◎投料斗四面双层隔音设计，内层采用不锈钢材质，中间填充隔音材料，静音效果好；
- ◎本机有送料型和抽料型两种选择。

FEATURE:

- ◎Medium-speed granulation, low energy consumption, small size and small floor space;
- ◎Convenient for maintenance and cleaning, safety design for operations;
- ◎Blade sets made by once cutting from steel plate, adopted with patent front-positioning blades design enlarging cutting angle and increasing cutting efficiency. Hence the output granules are even and with less powder or dust occurred;
- ◎Blades are made of high-strength steel, with high hardness, good abrasion resistance, and long service life;
- ◎Adopted hexagon socket screw installation way of the blades, free from wearing lose on screws in the long-term utility;
- ◎Feeding hopper with double-layered on 4 sides and the inner layer is made of stainless steel with insulation material in between to provide good noise handling;
- ◎Configuration is optional on active or passive collecting.

安装示意图 INSTALLATION DIAGRAM



XC-GM250



机 室
Grinding chamber

技术参数 SPECIFICATIONS

型号 Model	XC-GM180	XC-GM250	XC-GM310	XC-GM180RC	XC-GM250RC	XC-GM310RC
投料斗口尺寸(mm)Feeding Hopper Size	498×380	498×445	498×505	498×380	498×445	498×505
破碎口径 (mm) Grinding Chamber	180×180	250×200	310×200	180×180	250×200	310×200
粉碎能力 (Kg/h) Grinding Capacity	40-70	80-100	80-130	40-70	80-100	80-130
功率Power Kw	1.5	2.2	4	1.5	2.2	4
固定刀 Stationary Cutter	2	2	2	2	2	2
旋转刀 Hook Cutter	9	12	15	9	12	15
筛网孔径 (mm)	6	6	6	6	6	6
外形尺寸 (长*宽*高) LxWxH	790×454×1480	790×496×1480	790×556×1480	790×454×1480	790×496×1480	790×556×1480
主轴转速 (分钟/转) Spindle Speed	320	320	320	320	320	320
风机功率Kw (送料型) Blower Power KW(Active Collecting)	/	/	/	0.55	0.55	0.55
备注 Note	需另搭配吸料机和比例阀使用 Should be used with auto loader and proportional valve			带回收系统 Equipped with recycled system		

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小型除湿干燥机

SMALL DEHUMIDIFICATION DRYER

特点：

- ◎采用分子筛蜂巢转轮设计，理想状态下可提高稳定低露点 (≤-40℃) 的干燥空气；
- ◎内置多种常见原料工艺配方，只需要选择原料种类，系统自动设置干燥温度及风量；
- ◎自适应功能，设置温度后系统自动运行调节干燥风量及再生风量；
- ◎自动保温功能，当机器停止供料时，自动进入保温状态，节省能源，防止原料过度干燥的同时保障随时以提供干燥原料；
- ◎双层保温设计，夹层采用优质加厚保温材料，可确保温度均匀热损失更少，更节能环保；
- ◎液晶显示微电脑控制器，控温精度可达±0.1℃，配备一周24小时定时功能，实现整机预约自动运行；
- ◎配备通讯功能，实现自动化远程管理；
- ◎可选配露点计，方便实时监控露点。

FEATURE:

- ◎Adopted molecular sieve honeycomb runner design, it can improve dry air with stable low dew point (≤-40℃) under ideal conditions;
- ◎Built-in process formulas for various common raw materials; simply select the raw material type, and the system automatically sets the drying temperature and air volume;
- ◎Adaptive function: after setting the temperature, the system automatically adjusts the drying air volume and regeneration air volume;
- ◎Automatic heat preservation function: when the machine stops feeding, it automatically enters heat preservation mode, saving energy and preventing over-drying of raw materials while ensuring dry materials are always available;
- ◎Double-layer insulation design, interlayer is made of thickened insulation materials, can ensure uniform temperature, less heat loss, more energy-saving and environmentally friendly;
- ◎LCD display microcomputer controller, temperature control accuracy can reach ±0.1℃, equipped with a 24-hour timing function a week, realizing automatic operation of the whole machine by appointment;
- ◎Equipped with communication function to realize automated remote management;
- ◎Optional dew point meter to facilitate real-time monitoring of dew point.

XC – MDD **U / **H – **

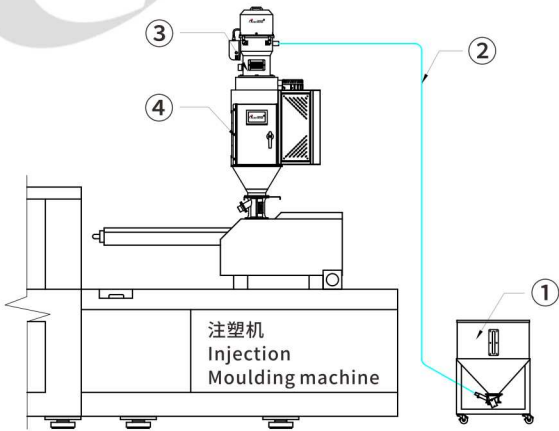
选装件 Option

除湿风量(m³/Hr) Dry air volume(m³/Hr)

干燥机料桶容量(L)Drying Bucket capacity(L)

小型除湿机 Small dehumidification dryer

工作原理 WORKING PRINCIPLE



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技术参数 SPECIFICATIONS

机型Model (XC-)	MDD20U/20H	MDD40U/20H	MDD80U/30H
干燥电热功率 Drying Electric Heating Power (KW)	1.2	1.5	1.5
干燥风机功率 Drying Blower Power(KW)	0.2	0.4	1.2
再生电热功率 Regen Electric Heating Power (KW)	1.2	1.2	1.5
再生风机功率 Regen Blower Power(KW)	0.18	0.18	0.2
除湿风量 Dry Air Capacity(m³/hr)	20	20	30
料桶容量 Hopper Volume(L)	20	40	80
电压 Voltage	230V/50HZ/1P	230V/50HZ/1P	230V/50HZ/1P
设计干燥温度 Design Drying TEMP(℃)	160	160	160
外形尺寸 Dimension (mm)			
H	945	1020	1100
W	600	635	770
D	550	560	685

- ①储料箱 Material Tank
- ②料管 Material Pipe
- ③欧化吸料机 Euro-Auto Loader
- ④小型除湿机 Small Dehumidification Dryer