



粉碎回收系列

Granulating and Recycling

中山市台达塑料机械有限公司

电话 (Tel) : 0760-22236388

传真 (Fax) : 0760-22236399

E-mail:sintd@sintd.com

地址: 广东省中山市小榄镇工业大道北3号

www.sintd.com

安徽台达塑胶科技有限公司

电话 (Tel) : 0553-8769688

传真 (Fax) : 0553-8769677

E-mail:sintdah@sintd.com

地址: 安徽省芜湖市新芜区湾沚机械
工业园南次一路1988号

全国免费服务热线:4000 222 818



目 录

Contents

02 齿啃式粉碎机
Screenless Granulators

03 慢速机边粉碎机
Low-speed Granulators

06 强力粉碎机
Powerful Granulators

10 静音集中粉碎机
Mute Centralized Granulators

齿 啃 式 粉 碎 机

TG-2627



在使用本产品之前，请仔细阅读产品说明书。

齿啃式粉碎机 Screenless Granlators

说明:

TG-2618/27/36系列齿啃式粉碎机采用齿啃式刀具搭配切断刀之设计原理,可以达到无粉尘的粉碎效果。该机还配备有多重保护装置,操作安全。此系列适用于坚厚细长或韧性较强的水口料之立即回收于少量废料粉碎。

Introduction:

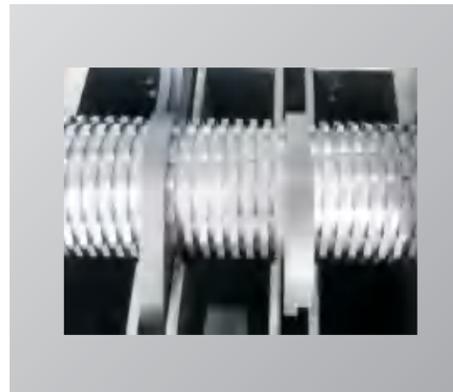
TG-2618/27/36 series granulators operate in super low speed to cut materials into well proportioned granules. There are least dusts produced in the cutting process. Multiple security devices ensure high safety grade; granulating hard and This series of screenless granulators are suitable for thick materials.

本机特点:

- 采用日本减速马达,性能稳定,寿命长,传动扭矩大
- 采用齿刀、爪刀一体化设计
- 结构严谨,节省空间,清扫方便快捷
- 进料箱采用透明PC制作,视窗方便
- 无筛网设计,粉碎颗粒均匀,粉末含量极少,可立即与新料混合使用。

Features

- Japan-made gear motor features steady steady performance ,long service life and high torque.
- Teeth cutters and cutting blades are integrally fitted in one cutting chamber.
- "Euro" style appearance , compact in size and easy to access for cleaning and maintenance.
- Transparent PC feeding hopper.
- Screenless design ,well-proportioned size of regrinds and least amount of dusts.Regrinds could be used with virgin materials.



齿型刀具
Staggered Blades

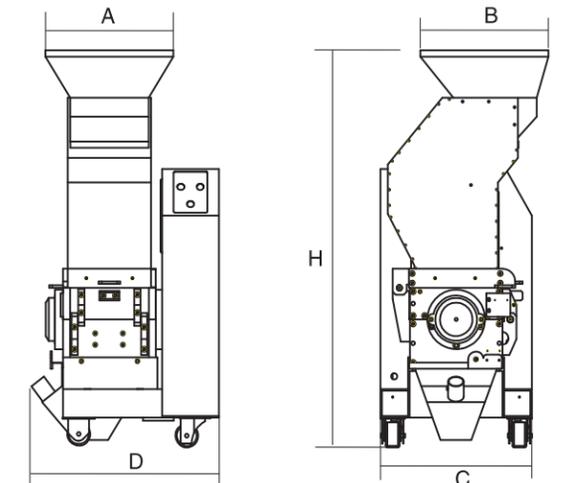
齿啃式粉碎机 Screenless Granlators

规格表: Specifications

机型 Model	TG-2618	TG-2627	TG-2636	TG-4050
电机功率 (kW) Motor Power(kW)(50/60Hz)	0.75	0.75(1.5)	1.5(2.2)	2.2(3.7)
转速 (rpm) Rotor Speed(rpm)(50/60Hz)	24.2	24.2	24.2	28.8
齿刀材质 Material of Teeth Cutters	SKD11	SKD11	SKD11	5KD11
齿刀数量 Number of Teeth Cutters	2	3	4	3
爪刀数量 Number of Cutting Cutters	1	2	3	2
粉碎室尺寸(mm) Cutting Chamber (mm)	180x271	271x271	361x271	400*450
最大粉碎能力(kg/hr) Max. Throughput Capacity(kg/hr)(50/60Hz)	3	6.5-7	9-10	20-25
粉碎时噪音dB (A) Noise Level dB(A)	65-73	65-73	65-73	65-73
30秒立即回收系统 30 secs. Instant Re	○	○	○	○
风机送料+旋风集尘器 (BC型) Regrind Conveyeyor (Bc. Type)	○	○	○	○
粉尘分离器 Dust Separator	○	○	○	○
人工收集型储料箱 Manual Storage Bin	○	○	○	○
外型 Dimesions				
A(mm)	326	415	506	450
B(mm)	416	490	416	520
C(mm)	610	500	610	1450
D(mm)	387	545	567	550
H(mm)	1250	1245	1250	1300
Weight(kg)	220	250	310	512

- 注: 1) "○"表示选配件
2) 进料口及储料箱改为不锈钢, 机型后加注"R"
3)最大粉碎能力取决于粉碎料的大小和材质
4) 粉碎时的噪音因粉碎料和马达的配置而不同
5) SKD11为日本JIS标准编号
6) 齿刀宽度以5mm为标准品, 加宽型齿刀为选购品
7) 为避免塑胶粘刀, 所有待粉碎料温度应在常温状态进行粉碎
8) 机器标准电压规格为: 3φ 400VAC, 50Hz

- Note: 1) "○" Stands for options
2) For stainless steel made feed port and manual storage bin, plus "R" at model behind.
3) Max. Capacity of the machine is subject to the size and com-position of the material.
4) Noise level will vary with different materials.
5) SKD11 is material code number of Japanese JIS standard.
6) Teeth cutter blades with 5mm width as standard, 6mm as optional
7) In order to avoid plastic blades, all of the materials should be carried out at room temperature crushed.
8) Power supply : 3Φ 400VAC, 50Hz





慢速机边粉碎机 LOW-Speed Granulators

慢速机边粉碎机

说明:

TG-18系列爪刀式慢速粉碎机，适合于机边水口料粉碎。该系列粉碎机操作方便，品质优异，价格合理，采用欧化造型，体积小，低速低噪音；粉尘少，刀具使用寿命长，并且符合欧洲安全标准。

Introduction:

TG-series low-speed granulators are suitable for by-the-press recycling of sprues. They feature easy operation, excellent performance, low noise and dust level. They are in "Euro" style design and compact in size. High quality blades ensure long-life span. High security grade also conforms with CE safety standard.

本机特点:

- 高安全操作设计；
- 机身体积小，底部装有脚轮，移动方便；
- 最佳剪切角度，可有效处理废料；
- 低转速和隔音料箱，可有效降低粉碎时所产生的噪音；
- 爪刀式转子设计，切削效率高，能量损耗小；
- 粉碎料颗粒均匀，低粉尘；
- 易于拆装的设计，维护保养省时省力；
- 低速回转，锐角动力的设计有助于粉碎机运作更平稳、顺畅；
- 针对含铁粉碎料，粉碎室可装配HT300材质。

Features:

- High safety grade design.
- Small in size with castors for easy moving.
- Best shear angle ensure the efficiency of material granulating.
- Low speed and sound proof material hopper brings a quieter operation environment.
- Staggered blades can increase working efficiency and at the same time reduce energy consumption.
- Well-proportioned granules and low dust level.
- Easy to access for easy maintenance and cleaning.
- Low granulating speed and sharp angle design of rotating blades are helpful for smooth and continuous operation.
- For granulating fiber-added material, cutting-chamber can be optionally made in HT300 material.

TG-1828



爪型刀具
Staggered Blades

在使用本产品之前，请仔细阅读产品说明书。



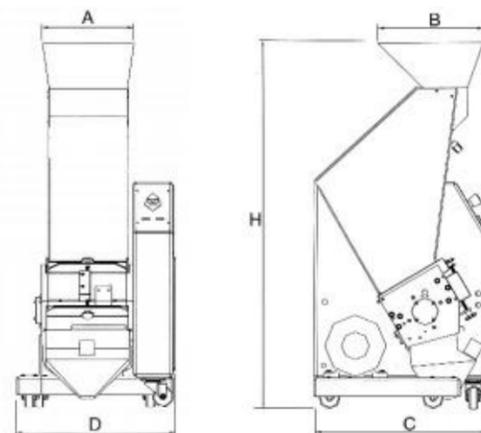
慢速机边粉碎机 LOW-Speed Granulators

规格表: Specifications

机型 Model	TG-1814	TG-1821(H)	TG-1828(S)	TG-(1835(H)	TGT-(1842(H)
电机功率(kW) Motor Power(kW)(50/60Hz)	1.5	1.5/2.2	2.2/1.5	2.2/3	2.2/3/4
转速(rpm) Rotor Speed(rpm)(50/60Hz)	190	190	190	190	190
固定刀片数量 Number of Fixed Blades	2X1	2X1	2X1	4X1	4X1
转动刀片数量 Number of Rotating Blades	3X2	3X3	3X4	3X5	3X6
粉碎室尺寸(mm) Cutting Chamber(mm)	180X140	180X210	180X280	180X350	180X420
最大粉碎能力(kg/hr) Max. Throughput Capacity(kg/hr)(50/60Hz)	20	35/40	70/60	85	100
粉碎时噪音(Db(A) Noise Level dB(A)	76	81	82	82	85
刀具材质(SKD11) Material of Blades(SKD11)	✓	✓	✓		
筛网孔径(5mm) Dia. of Screen Hole(5mm)	✓	✓	✓		
筛网孔径(4.6.8.10.12mm) Dia. of Screen Hole(4.6.8.10.12mm)	○	○	○		
30秒立即回收系统 30 secs. Instant Recycling	○	○	○		
两料比例阀 Proportioning Valve	○	○	○		
风车送料装置(附旋风器)BR Blower Conveying(with cyclone)	○	○	○		
空气送料VP Venturi Loader VR	○	○	○		
粉尘分离器(搭配立即回收系统) Dust Separator(with instant recycling)	○	○	○		
满料报警装置 Level Detector	○	○	○		
外型 Dimesions					
A(mm)	260	390	435	495	560
B(mm)	380	420	420	425	420
C(mm)	600	680	685	680	680
D(mm)	405	470	570	620	620
H(mm)	1300	1330	1300	1310	1310
Weight(kg)	175	175	190(180)	200	

- 注: 1) "✓"表示标准配置, "○"表示选购品;
2) "H"表示增大电机功率, "S"表示缩小电机功率;
3) 最大粉碎能力取决于筛网孔径及粉碎材质等因素;
4) 粉碎时的噪音因粉碎材质和马达的配置而不同;
5) 机器电压规格为3φ, 400V, 50Hz.

Note: 1) "✓" standard, "○" optional
2) "H" refers to higher motor power.
3) Max. capacity of the machine is subject to diameter of screen hole and composition of the material.
4) Noise level will vary with different materials and motor types.
5) Power supply: 3φ, 230/400/460/575V, 50/60Hz.



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

强力粉碎机

TGY-500



在使用本产品之前, 请仔细阅读产品说明书。

强力粉碎机 Powerful Granulators

说明:

TG-Y-D-P系列粉碎机, 分为爪型破碎机系列, 平型破碎机系列, 片型破碎机系列, 以上机型适用面广, 供各类塑料制品, 粉碎回收利用。

TG series of granulators include claw cutter series, flat cutter series and blade cutter series. They are applicable to a wide range, can meet a wide variety of requirements, able to granulate & recycle all kinds of plastics material of different texture and shapes.

TGY爪型破碎机系列:

适用于各种塑料之粉碎再利用, 尤其对各类硬性塑料(如料头、鞋楦料等)效果更佳。

TGY系列破碎机操作方便, 换刀简单快捷; 刀架优化设计, 爪型刀可分散受力度, 使得每片刀的剪切加大, 适合破碎厚材料, 硬质料块, 料头等, 有效的提高了刀具切削力、减少刀具磨损; 设有电控安全设计, 料斗采用变层结构, 内填隔音材料, 使得设备具有良好的安全性及环保性, 省电耐用。

TGD平型破碎机系列:

适用于箱类、薄管件、吹塑件、瓶、壳等塑料的回收。TGD系列破碎机操作方便, 换刀简便快捷, 平型刀宽大的结构适合破碎大体积薄壁、薄料产品, 提高破碎效率; 采用电控安全设计, 料斗采用双层结构, 内填隔音材料, 马达附有超负荷保护装置、电源连锁保护系统, 使得设备具有良好的安全性及环保性, 省电耐用。

TGP片型破碎机系列

片型刀结构介于爪刀、平刀之间, 适合破碎普通片材、管材、板材及包装材料等塑料制品、浇道口。通用型塑料粉碎机, 采用密封轴承, 使轴承转动长时间保持良好; 刀型设计合理, 产品颗粒均匀; 刀座热缩处理, 外形设计美观大方。

CLAW CUTTER SERIES:

Suitable for recycle and restore of all kinds of plastics, e.g. blow molded products and shoe last. TG claw series are easy to operate and simple to replace cutter blades, well designed cutter base, cutter blades are able to disperse bearing force & increase the power effectively of each cutter & reduces wear and tear, fully installed with electrical safety devices. Double wall hopper designed installed with soundproof material, safety and environment concern; Low electricity consumption and durable.

FLAT CUTTER SERIES

Suitable for recycle of plastic casing, thin tube plastics, sprues from injection & moulding sector, bottle plastics and shell plastics.

TG series are easy to operate and simple to replace cutters. Spacious flat blade is suitable to granule bulky & thin plastics, increases efficiency; installed with electrical safety devices; double wall hopper with soundproof material. Motor is equipped with overload protector, and power protection devices. Safety and environment concern, low electricity consumption and durable. Stainless steel hopper for all model is available.

BLADE CUTTER SERIES

Blade cutter is in between claw and flat cutter blade. Suitable for recycle and restore of conventional sheets, tube plastic, profiles, packing plastics, extrusion mould products & runners. General operation adopted with airtight sealed bearing to allow long hours rotation; well designed cutter blades, to ensure the balance of pellets sizes after crushed; cutter base with special heat treatments, elegant in appearance.



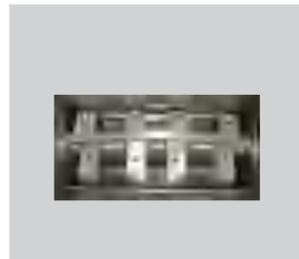
爪型刀架
claw cutter saddle



平型刀架
Flat cutter saddle



片型刀架
Blade cutter saddle



平型刀架
Flat cutter saddle

强力粉碎机 Powerful Granulators

规格表: Specifications

TGY规格表 (爪型) TGT Specifications

机型/Model	TGY250	TGY380	TGY480	TGY500	TGY630	TGY700	TGY790	TGY960	TGY1100	
粉碎口径 Crushing chamber(mm)	250X200	380X240	480X290	540X330	630X340	700X480	790X550	960X610	1100X 800	
粉碎能力 Crushing ability(kg/h)	100-200	200-300	300-500	300-400	400-500	450-600	600-800	700-900	900-1100	
固定刀 Stationary cutter	2	2	2	2		2	4	4	4	
旋转刀 Rotary cutter	12	18	21	21	27	27	27	30	45	
功率 Power	KW	4	7.5	11	15	22	22/30	37/45	37/45	75
	HP	5	10	15	20	30	30/40	50/60	50/60	100
外形尺寸 Dimensions(LxWxH cm)	900X660X1200	1010X810X1390	1200X960X1670	1300X1010X1810	1400X1200X1800	1700X1430X2350	1900X1630X2670	1900X1760X2780	2550X2050X3440	
净重 net Weight(kg)	290	516	850	900	1400	1800	3000	3000	6000	
筛网孔径 Dia. of Screen Hole	Φ7	Φ10	Φ12	Φ12	Φ12	Φ12	Φ12	Φ12	Φ12	

TGD规格表 (平型) TGD Specifications

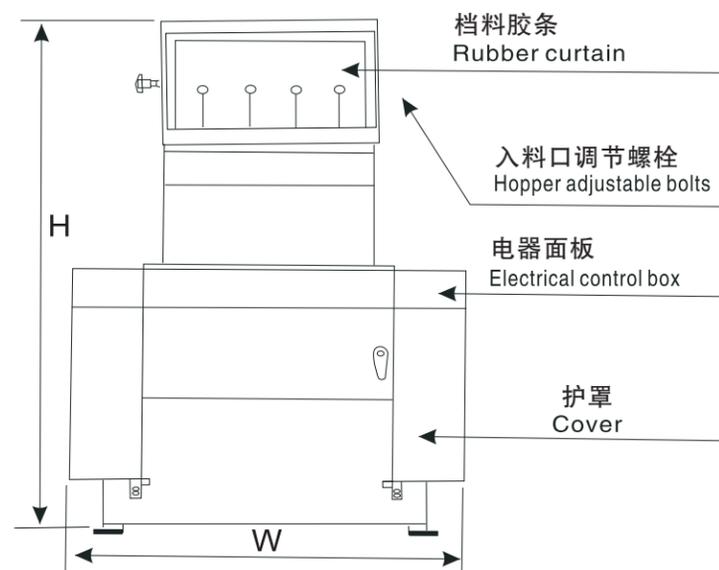
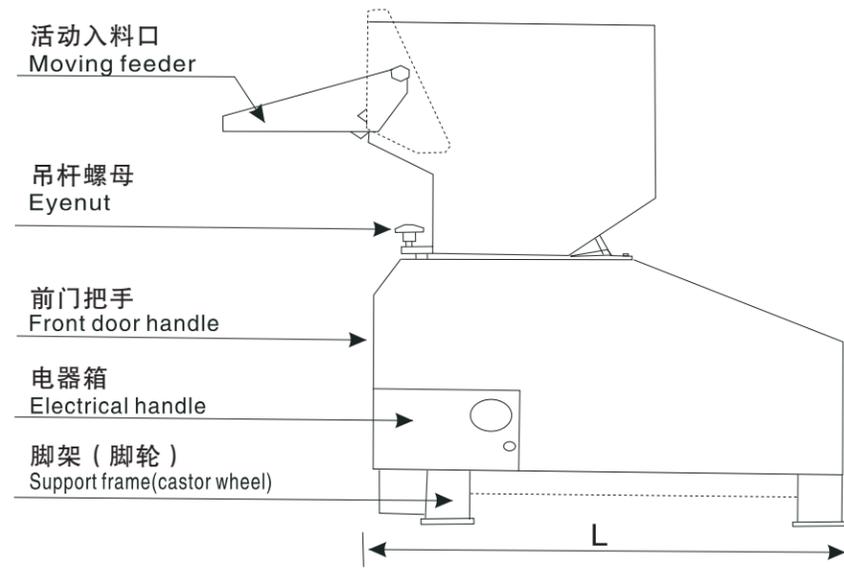
机型Model	TGD380	TGD500	TGD800	TGD815	TGD960	TGD1100
粉碎口径 Crushing chamber(mm)	380X240	504X330	815X470	815X520	960X610	1100X800
粉碎能力 Crushing ability(kg/h)	200-300	300-400	450-600	550X700	600-800	800-1000
固定刀 Stationary cutter	2	2	4	4	4	4
旋转刀 Rotary cutter	6	6	9	12	12	12
功率 Power	KW	7.5	15	22/30	37	75
	HP	10	20	30/40	50	100
外形尺寸 Dimensions(LxWxH cm)	1010X810X1670	1300X1010X1810	1700X1500X2400	1720X1540X2450	1900X1760X2780	2550X2050X3440
净重 net Weight(kg)	515	900	2000	2300	3000	6000
筛网孔径 Dia. of Screen Hole	Φ10	Φ12	Φ12	Φ12	Φ12	Φ12

TGP规格表 (片型) TGP Specifications

机型 Model	TGP230	TGP300	TGP400	TGP500	TGP600	TGP800	TGP700	
粉碎口径 Crushing chamber(mm)	230X200	310X210	410X240	515X300	610X330	815X470	715X330	
粉碎能力 Crushing ability(kg/h)	100-150	150-200	200-250	300-350	350-450	450-600	400-500	
固定刀 Stationary cutter	2	2	2	2	4	4	4	
旋转刀 Rotary cutter	6	9	12	15	18	24	21	
功率 Power	KW	4	5.5	7.5	11	15	22/30	22
	HP	5	7.5	10	15	20	30/40	30
外形尺寸 Dimensions(LxWxH cm)	950X640X1220	1000X730X1320	1020X830X1390	1200X1000X1670	1300X1100X1800	1700X1500X2400	1400X1200X1800	
净重 net Weight(kg)	288	432	500	900	1100	2000	1500	
筛网孔径 Dia. of Screen Hole	Φ7	Φ10	Φ10	Φ12	Φ12	Φ12	Φ12	

强力粉碎机
Powerful Granulators

结构简图:
Structure Diagram



静音集中粉碎机

TG-40



在使用本产品之前，请仔细阅读产品说明书。

静音集中粉碎机

Mute Centralized Granulators

TG-26/36/40系列静音集中粉碎机适用于粉碎各种塑胶材料，包括注射成型、吹塑成型或挤压成型后产生的废料。该系列结构紧凑，操作方便，换刀简便快捷，其在电机功率，粉碎室尺寸及粉碎能力上更大。渐切式一体化动刀设计，使切削效果更好，噪音更低。

TG-26/36/40 series is suitable for granulating a variety of plastic materials, including waste materials of injection molding, blowing molding and extrusion molding. This series is compacted in structure, easily operating, conveniently reblading and powerful granulating ability. Gradual cutting integrated design ensures better cutting efficiency and low level noise.

本机特点：

- 转动刀具采用最新的V开切割技术，可将待破碎材料送至转刀中央，这避免了材料贴在侧壁上，同时也增长了侧壁的使用寿命；
- 刀具采用进口优质材质，耐磨，高硬度，使用寿命长，且可磨削重复使用；
- 可选配调刀架，简便的刀具安装调整技术，使动刀可在机外的夹具内调整，不必再经过艰难的机内调整的过程；
- 粉碎室采用高硬度材质制成，经数控机床精加工，具有厚度大、强度高、耐磨性强、无污染、使用寿命长及维修保养十分方便等特点；
- 设计结构严谨，采用全封闭式双层隔音棉隔音箱，噪音低；
- 采用全隔音的进料箱在机器运行中，工作噪音会大大下降，并在进料口处安装了安全挡料帘，使材料在被破碎时不会飞溅出来；
- 电机带输通过V型带连接传动轴，具有运行平衡、配合精密、拆装方便、维修简单等特点；
- 进料箱采用电动推杆掀开，具有自锁功能，使操作更安全；
- 可选配粉尘分离系统，脚架高度根据不同需求可在一定范围内调整；
- 粉碎室后板冷却水夹可有效地降低粉碎室温度，避免粉碎料溶结；
- 针对厚重型粉碎料时，可选配额外的定刀排数增加其粉碎能力；
- 针对含铁粉碎料，增加加铁型粉碎机，粉碎室等与原料接触的部件均采用表面硬化处理，刀片材质是V-4E与S50C贴合；
- 改为欧规安全路型时，机型后加注“CE”。

- Roasting blade adopts the latest 'v' cutting technology. Plastic materials will be conveyed to the center of roasting cutter, ensuring no materials pasting up on the side wall and prolong its life.
- Cutter is made of imported high quality material, with high hardness, long life and wear-resisting ability. It is grinding and reusable.
- Cutter base is optional. Simple and convenient blade installation technology ensures roasting blade and fixed blade adjustable in the clamp.
- Granulating chamber of high hardness, processed by numerical control machine, has the following features: big thickness, high strength, wear-resisting ability, no contamination, long life and easy maintainness.
- Precise design, totally enclosed sound-proofing box with low level noise.
- Totally sound-proof charging box enables the granulator running with low level noise. With the material fender, plastic materials will not splash out when granulating.
- Balanced running, precise corporation, convenient access and easy maintainness.
- Charging box is uncovered by electric putter, with self-locking function, easy operation.
- Dust separator is for option. Height of floor stand is adjustable in a range.
- Cooling water clip is helpful to efficiently reduce granulate chamber's temperature.
- Additional fixed blades could be used to enhance its granulating ability against massiness materials.
- Against the material with fibre, granulating chamber and other related parts shall be surface hardening treated.
- Upon request, it can be built to comply with worldwide electrical safety standard (for example: CE).



爪型刀架
claw cutter saddle



平型刀架
Flat cutter saddle



片型刀架
Blade cutter saddle



平型刀架
Flat cutter saddle



静音集中粉碎机

Mute Centralized Granulators

规格表: Specifications

机型 Model	功率 Motor Power (kw)	进料口尺寸 Size of Feeding Inlet(mm)	筛网孔径 Screen Size (mm)	最大粉碎能力 Max. Breaking Capacity (kg/hr)	转动刀片 Rotating Blades		固定刀片 Fixed Blades	重量 Weight (kg)	外型尺寸 External Size LxWxH (mm)	
					片刀数量 (Qty. of Saddle Blades)	爪刀数量 (Qty. of Staggered Blades)				
TG-26	40(H)	7.5(11)	260x400	Φ10	300-550	6	24	2	450	1250x910x1387
	50(H)	11(15)	260x500	Φ10	400-650	6	30	2	650	1250x1010x1387
	60(H)	11(15)	260x600	Φ10	270-350	3	18	2	310	1250x810x1387
TG-36	60(H)	15	360x600	Φ12	400-700	6	30	4	1000	1425x1156x1850
	70(H)	18.5	360x700	Φ12	500-800	6	36	4	1500	1425x1256x1850
	80(H)	22	360x800	Φ12	600-900	6	42	4	1750	1515x1356x1970
TG-40	60(H)	15(18.5)	400x600	Φ12	400-600	6	18	4	1070	2080x1480x2160
	70(H)	18.5(22)	400x800	Φ12	600-800	6	21	4	1180	2280x1680x2360
	80(H)	22(30)	400x1000	Φ12	800-1000	6	24	4	1390	2480x1880x2560
	100(H)	30(37)	400x700	Φ12	Φ400x700	6	30	4	1590	

- 注：1) “√”表示标准配置，“○”表示选配件；
 2) “H”表示增大电机功率；
 3) 机型储料箱改为不锈钢，机型后加注“R”；
 4) SKD11为日本JIS标准编号；
 5) 粉碎加纤料或与加纤料性能相近的材料时（如CPVC等）请选手加铁型粉碎机，机型后加注：“F”
 6) 粉碎机最大的加工能力取决于筛网孔径、材料等；
 7) 粉碎时的噪音因粉碎料材质和马达的配置而不同；
 8) 噪音测试标准：机器周围1m，机器上方1.6m；
 9) 为避免塑料粘刀，所有待粉碎料温度应是常温状态进行粉碎；
 10) 机器电压规格为”3φ，400V，50Hz

- notice: 1) “√” denotes standard, “○” denotes optional;
 2) “H” denotes increase motor power;
 3) The material of storage box is replaced by stainless steel, marked with “R”;
 4) SKD11 is material code number of Japanese JIS standard;
 5) plastic materials with kinds of fibre (e.g. CPVC) shall be granulated by related granulator, marked with “F” behind;
 6) Max throughput capacity depends on dia of screen hole and materials;
 7) Noise level depends on plastic materials and motor configuration;
 8) Noise level test standard: 1m around, 1.6m upward;
 9) To avoid pasting up on blade, all plastic materials shall be granulated at normal temperature.
 10) power supply: 3Φ, 400V, 50HZ.

