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艾斯瑞特
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CRUSHER

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EASY RECYCLING
VALUABLE PLASTICS



MANUFACTURE AS NEEDED

Design principle in full view:

ACERETECH specializes in design, planning and manufacturing overall plan for recycling plastics. We provide optimized solutions for different application scenarios, so that shredder and crusher meet actual needs, and can be friendly applied to related operations, which is the original intention of our design and manufacture shredders and crushers.

ACERETECH crushers are mainly used for fine grinding plastics. Different knife structure designed for soft and rigid plastics. For various application scenarios and power, ACERETECH crushers include: GE series Economical general-purpose crushers, GF series for films and bottles, GP series for plastic sheet, profiles and PVC pipes, and GH series general-purpose heavy-duty crushers.

Crusher



1 Tough welded steel machine body

ACERETECH crusher's body is made of special high strength welded steel to prevent shell cracking and excessive stress damage while running.

2 Uniform grinding

We have more than twenty different knife designs such as double-shear V-shaped cutting. They can achieve uniform particle size and less dust after crushing. What's more, lower Energy consumption can be realized owing to sharp cutting and optimized cutting angle.

3 Modular cutting chamber

Select suitable knives and screen according to material characteristics.

4 Easy maintenance

Optimized crushing chamber, with help of the hydraulic controlling open and close, it's easy to clean the inner chamber and rapidly replace parts.

5 Safety interlock in accordance with European standards

Mechanical or electronic safety switches are installed in connection parts of crusher chamber, screen, drive connections.

6 Rotary and fixed knives are made by European supplier

Alloy steel, longer service life, more stable running.

GE series economy crusher



■ Technical details

Item	Unit	GE500/500	GE500/700	GE500/1000	GE500/1400	
Rotor diameter	mm	500	500	500	500	
Rotor width	mm	500	700	1000	1400	
Chamber size	mm	540*540	540*700	540*990	540*1400	
Number of rotor knives	row	5	5	5	5	
Number of stator knives	row	2	2	2	2	
Standard screen	mm	>6	>6	>6	>6	
Motor Power	kw	30	37	55	75	
Machine Measure	Length a	mm	1125	1330	1650	2050
	Width b	mm	1910	1910	1910	1910
	Height c	mm	2310	2510	2640	2710



GE series adopts a special rotor design and it is an economical crusher. The width of the rotor ranges from 500mm to 1400mm. The rotor adopts high-efficiency scissor cutting technology, the welded cavity of the entire steel structure is combined with the V-shaped rotor to ensure stable machine operation and reliable performance. The compact body design facilitates cavity maintenance, quick cleaning and replacement of rotary knives, fixed knives and screens.

GE series crusher is particularly suitable for online crushing and recycling of plastic products production lines. It has special cutting technology to recover various small hollow materials, including injection mold parts, blow mold parts, profiles, sheets, films and other materials. The recycled flakes are uniform.

GF series crusher for film and bottle



GF series is a high-efficiency and low energy consumption crusher, specially designed for films, small hollow bottles and PET bottles. According to the characteristics of different materials, the crusher is equipped with a variety of rotor models for choosing. The diameter of the rotor ranges from 500mm to 800mm. The minimum width of the rotor is 700mm and the maximum is 1600mm. A targeted rotor structure can be designed to achieve the best crushing effect. It adopts a special welding process for the overall steel structure to meet the demand for the materials which are not easily broken. Large rotor bearings, tool holders and rotors are combined with standard V-shaped cutting technology, which is beneficial to improve cutting and recycling efficiency and reduce the dust content in recycled materials. The deflection wedge, a detachable attachment with a third knife, meets different crushing needs through simple disassembly. Other standard equipment includes an easy removing anti-wear plate in the crushing chamber and an external bearing to reduce the risk of contaminants entering the crushing chamber.

Compared with ordinary crushers, the output of GF series crushers can be increased by about 20%–40%.

This machine has the characteristics of beautiful appearance, reliability and excellent cost performance.

■ 20-40%

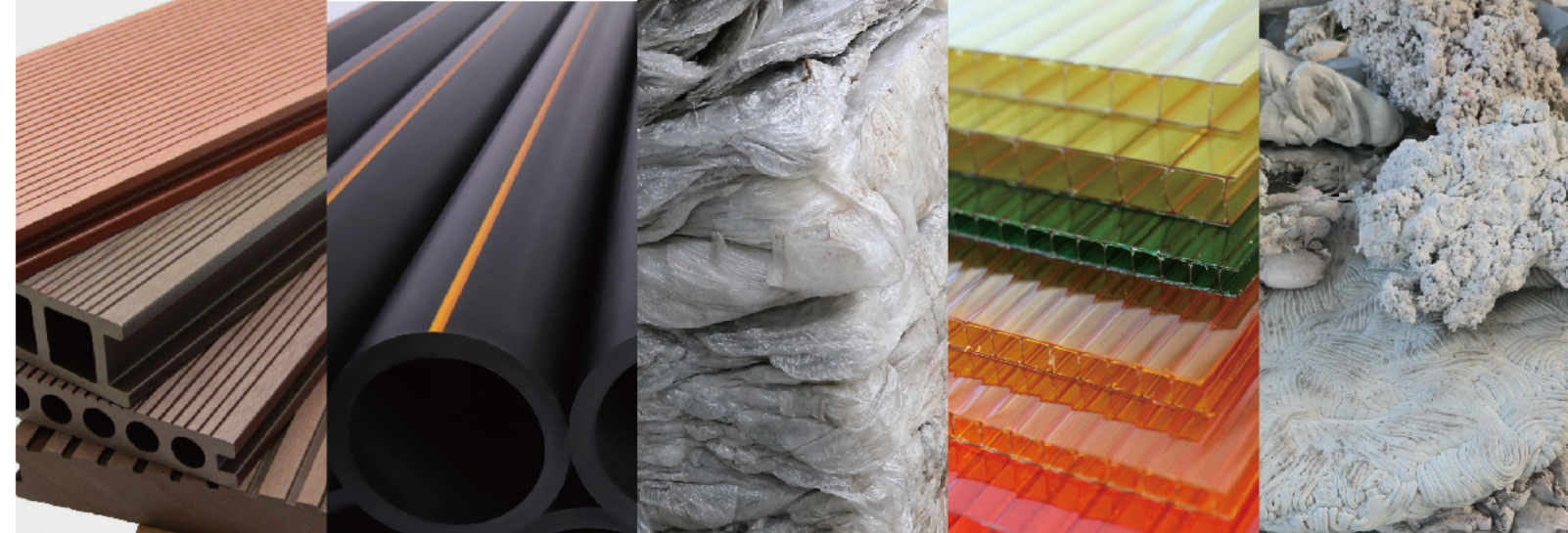
The output is higher than ordinary crushers.



■ Technical details

Item	Unit	GF500/700	GF700/1000	GF700/1200	GF800/1600	
Rotor diameter	mm	500	700	700	800	
Rotor width	mm	700	1000	1200	1600	
Number of stator knives	pcs	5*2	5*2/7*2	5*2/7*2	5*4/7*4	
Number of stator knives	row	2	2	2	2	
Chamber size	mm	500*700	700*1000	700*1176	800*1600	
Motor power	kw	45	75	90	160	
Machine Measure	Length a	mm	2230	2530	2750	3150
	Width b	mm	1630	1990	2230	2710
	Height c	mm	3450	3600	3700	3900

GH series heavy-duty crusher



700mm-2400mm

Rotor width

GH heavy-duty crushers are designed for size reduction of tough materials and to meet high grinding requirements with overall steel welded structure. Compared with ordinary crushers, the crushing cavity is more wear-resistant and stronger. It has a variety of rotor models for selection. The diameter of the rotor is 700mm~1100mm, and the width of the rotor is 700mm~2400mm. It adopts integral steel structure welding. It can meet the demand for crushing and non-breakable materials. Large rotor bearings, tool holders and rotors are combined with standard V-shaped cutting technology, which is beneficial to improve cutting and recycling efficiency and reduce the dust. Through a simple detachable deflection wedge (the third fixed knife), GH series crusher is able to granulate more kinds of plastic materials and quickly increase the production. Anti-wear plate in the crushing cavity and an external bearing reduce the risk of contaminants when entering the crushing chamber.

GH series crushers are widely used in size reduction of profiles, pipes, film, sheets, large rigid lumps.,etc.

Technical details

Item	Unit	GH 700/700	GH 700/1000	GH 700/1200	GH 800/1400	GH 800/1600	GH 800/2000	GH 1100/1200	GH 1100/2400	
Rotor diameter	mm	700	700	700	800	800	800	1100	1100	
Rotor width	mm	700	1000	1200	1400	1600	2000	1200	2400	
Number of rotor knives	pcs	7*2/5*2	7*2/9*2	7*2/9*2	3*2/5*2	7*4/9*4	7*4/9*4	7*2/9*2/ 11*2	7*2/9*2/ 11*2	
Number of stator knives	row	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
Chamber size	mm	690*690	985*800	1150*815	1360*910	1570*915	1960*915	1150*1210	1960*1150	
Motor power	kw	55	90	110	132	160	160*2	200	200*2	
Machine Measure	Length a	mm	2250	2815	2815	3100	3100	2755	3115	3060
	Width b	mm	1900	2060	2360	2660	2860	4655	2440	3830
	Height c	mm	2950	3420	3770	3820	4085	4775	4430	4430

GP series of pipe & profile crusher



The GP series crusher is designed for grinding long plastic pipes and profiles. Overall heavy-duty steel welded cavity forms a fixed angle with the horizontal feeding hopper, and the angle of the feeding port is basically parallel to the ground. It is very convenient to feed longer materials such as small diameter PVC pipes and wide profiles. When there is too much material in the crushing chamber, the crusher will stop feeding until the material in the crushing chamber has been crushed. So there is no need to worry about material clogging.

The rotor diameters of the GP series crusher are : 560mm, 600mm and 700mm, and with rotor width up to 1400mm. V-shaped rotor improves cutting efficiency and reduce the dust . Anti-wear plates in the crushing cavity and external bearings help to reduce the risk of contaminants entering the crushing chamber.

The GP series crusher is especially designed for small-diameter pipes and profiles. It is suitable for 16-450mm PE, PP, PVC, plastic pipes, wide door panels, and plates. When the crushing amount is large, it can be configured to feed Conveyor, suction fan, storage bin and dust removal system.

■ Technical details

Item	Unit	GP600/500	GP560/700	GP560/1000	GP700/1400	
Feed opening	mm	440*440	640*280	910*280	1440*320	
Rotor diameter	mm	600	560	560	700	
Rotor speed	rpm	560	470	470	410	
Motor power	kw	37	55	75	110	
Number of rotor knives	pcs	5*2	5*2	5*2	5*3	
Number of stator knives	pcs	2	2	2	2	
Hydraulic power	kw	1.5	1.5	1.5	1.5	
Standard screen	mm	6~30	6~30	6~30	8~30	
Chamber size	mm	516*498	716*650	985*650	1400*700	
Machine Measure	Length a	mm	2250	2400	2400	2480
	Length b	mm	1860	2200	2200	2320
	Width c	mm	1350	1800	2050	2400
	Width d	mm	820	1060	1480	1840
	Height e	mm	1620	1750	1750	1980

