



SHREDDERS  
GRANULATORS  
PULVERIZORS  
CONVEYORS  
SEPARATORS  
ANCILLARY EQUIPMENT  
TURNKEY RECYCLING SYSTEMS

**RECYCLING TECHNOLOGY**  
**-SIZE REDUCTION, MADE EASY**



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**WUXI RITECH MACHINERY CO.,LTD**



## COMPANY INTRODUCTION

RITECH is a system integration company specialized in total solution of plastic,tyres crushing and recycling for more than twenty years with German technical background. After years of improvement and development, the company has grown into an exemplary enterprise producing high-quality plastic and tyres crushing, cleaning and recycling equipment.

Under the development strategy of constructing the industrial chain system for recycling cause, based on its own technology accumulation, RITECH further optimized the technical system and has become one of the global few companies engaged in the field of plastic and tyres recycling that can provide total solution for plastic and tyres recycling.

 All Shredders & Granulators examined to the Machinery Directive 2006/42/EC and the Low Voltage Directive 2006/95/EC.

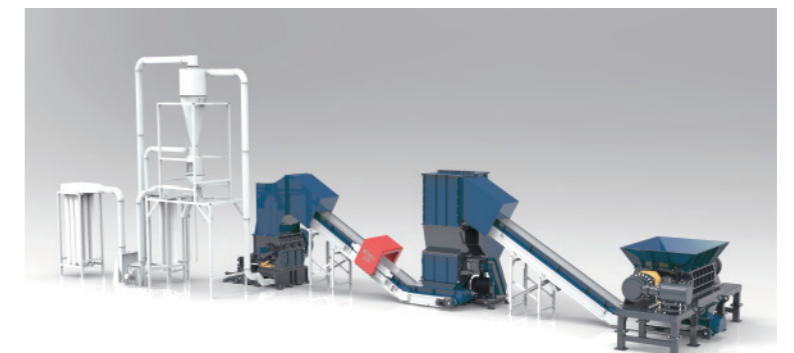


## SERVICE & SUPPORT >

Supported by our highly skilled team of engineers and recycling specialists we offer genuine 24/7 customer care and first class after sales service. We offer comprehensive installation, service and maintenance services to meet the demands of individual applications.

## OUR GOAL >

By utilizing cutting edge technology and state of the art manufacturing methods, we aim to provide our customers with efficient, robust and reliable size reduction and recycling systems.



# SA COMPACT SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# SA COMPACT SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Flat rotor
- Machined pocket knife holders
- Optional hard facing
- Concave ground square knives
- Robust ram construction
- Heavy duty guide bearings
- Universal couplings
- Low speed, high torque geared drive
- Powerful hydraulic horizontal ram
- Bolt in drive shafts
- Multiple rotor designs
- Two speed hydraulic system
- Oil cooling on ram and gearbox
- Ram comb plate
- Amp meter control

## OPTIONS >

- Hydraulic screen cradle
- Gearbox with shrink disc
- Rotor cooling
- Pipe spacer
- Touch screen PLC
- Hopper mounted viewing mirror
- Increased motor drive
- Hydraulic drive
- Bespoke colour scheme
- Gearbox with shrink disc
- Turbo hydraulics
- Housing wear plate
- Sound absorbing hopper

## SPECIFICATION >

ITEM	UNIT	SA550	SA850	
Feeding Size	mm	580×900	880×900	
Rotor Diameter	mm	251	251	
Rotor Speed	rpm	90	90	
Main Motor Power	kw	18.5~22	30	
Rotor Knives	pcs	13 or 26	20 or 40	
Stator Knives	pcs	2	2	
Screen Size	mm	15~100	40~100	
Machine Dimensions	mm	1894×1348×1723	1894×1648×1723	
Dimensions	A	mm	1894	1894
	B	mm	1348	1648
	C	mm	580	880
	D	mm	1723	1723
	E	mm	1020	1020
	F	mm	620	620

## GENERAL DESCRIPTION >

The SA Compact Single Shaft Shredder has a 251mm diameter profiled rotor made of solid steel, operating at a speed of 90 rpm. The concave ground, aggressive 4-way rotating knives are mounted in the grooves of the profiled rotor with special knife holders. This enables a reduction of the cutting gap between the counter knives and the rotor which guarantees a high flow rate, low power consumption and maximum output of shredded material.

The hydraulically operated ram feeds the

material automatically in the rotor's cutting chamber by load-related controls. The hydraulic system is equipped with high-pressure valves and volumetric flow controls which can be set according to the requirements of the input material.

Extremely robust pedestal bearing housings are mounted outside the machine and separate to the cutting chamber to prevent dust and dirt penetrating into the oversized bearings. This ensures a long service life and minimum service

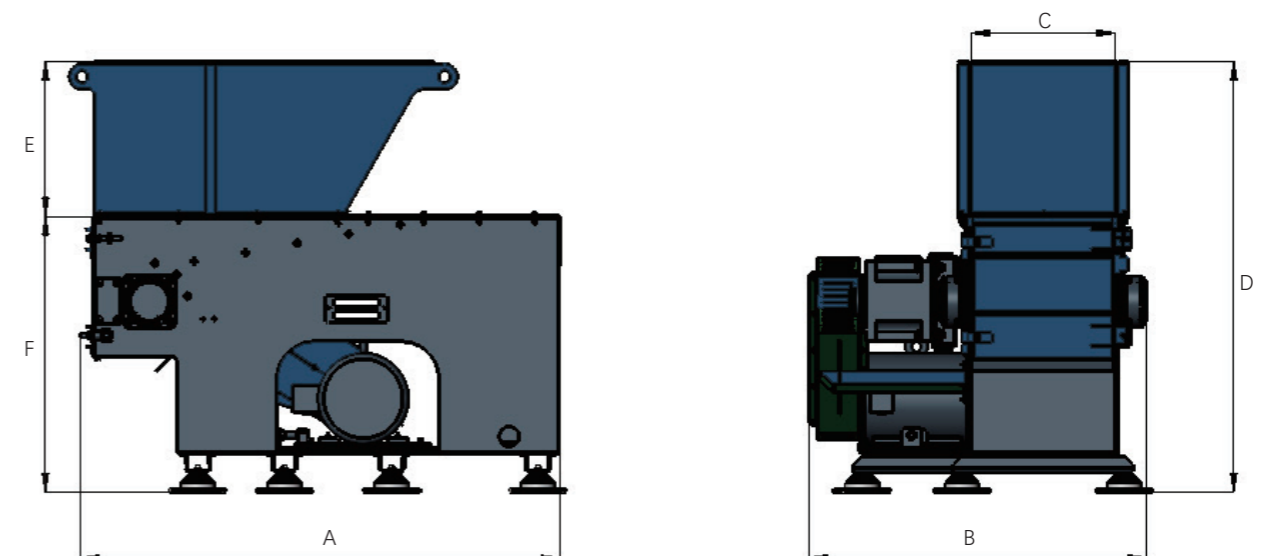
and maintenance.

Power is transmitted from the motor by a drive belt via an oversized gearbox which is located on the shaft end on one end of the rotor.

A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

SA Compact Single Shaft Shredders have been designed with a wide range of applications and industries in mind such as: **PLASTICS / RUBBER / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE**



# SX HEAVY DUTY SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Large diameter flat rotor
- Machined pocket knife holders
- Optional hard facing
- Concave ground square knives
- Robust ram construction
- Heavy duty guide bearings
- Universal couplings
- Low speed, high torque geared drive
- Powerful hydraulic swing type ram
- Reduced footprint (compared to horizontal pusher designs)
- Bolt in drive shafts
- Multiple rotor designs
- Two speed hydraulic system
- Oil cooling on ram and gearbox
- Ram comb plate
- Amp meter control

## OPTIONS >

- Hydraulic screen cradle
- Gearbox with shrink disc
- Rotor cooling
- Pipe spacer
- Touch screen PLC
- Hopper mounted viewing mirror
- Increased motor drive
- Hydraulic drive
- Bespoke colour scheme
- Turbo hydraulics
- Housing wear plates

## GENERAL DESCRIPTION >

The SX Heavy Duty Single Shaft Shredder has a 750mm diameter profiled rotor made of solid steel, operating at a speed of 52rpm. The concave ground, aggressive 4-way rotating knives are mounted in the grooves of the profiled rotor with special knife holders. This enables a reduction of the cutting gap between the counter knives and the rotor which guarantees a high flow rate, low power consumption and maximum output of shredded material.

The hydraulically operated ram feeds the material automatically in the rotor's cutting chamber by load-related controls. The hydraulic system is equipped with high-pressure valves and volumetric flow controls which can be set according to the requirements of the input material.

Extremely robust pedestal bearing housings are mounted outside the machine and separate to the cutting chamber to prevent dust and dirt penetrating into the oversized

bearings. This ensures a long service life and minimum service and maintenance. Power is transmitted from the motor by a drive belt via an oversized gearbox which is located on the shaft end on one end of the rotor.

A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

SX Single Shaft Shredders have been designed with a wide range of applications and industries in mind such as:  
**PLASTICS / RUBBER / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC/COMMERCIAL WASTE**



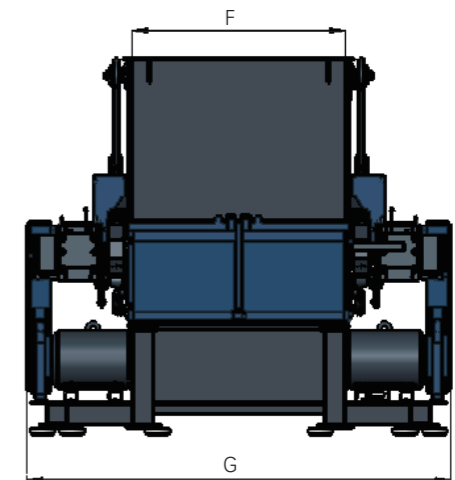
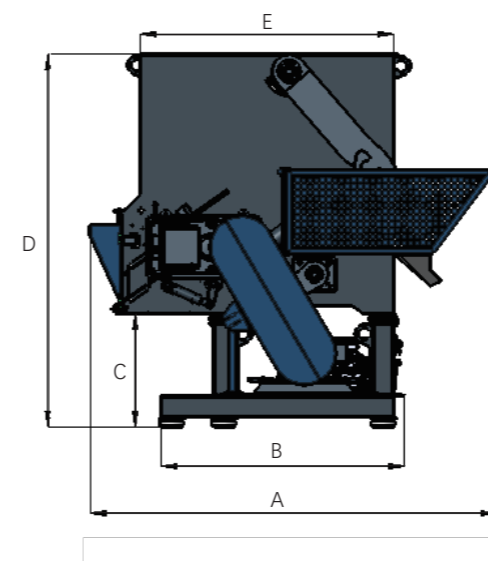
# SX HEAVY DUTY SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## SPECIFICATION >

ITEM	UNIT	SX1500	SX2000	SX3000	
Cutting Chamber	mm	2540×1620	2540×2020	2540×2820	
Rotor Diameter	mm	750	750	750	
Rotor Speed	rpm	52	52	52	
Main Motor Power	kw	2×75	2×90/2×110	2×132	
Rotor Knives	pcs	76	96	136	
Stator Knives	row	4	5	7	
Hydraulic Ram Power	kw	11	11	11	
Screen Size	mm	40~100	40~100	40~100	
Effective Working Area	mm	1500×1490	1500×1900	1500×2700	
Dimensions	A	mm	3600	3600	3600
	B	mm	2260	2260	2260
	C	mm	870	870	870
	D	mm	3350	3350	3350
	E	mm	2540	2540	2540
	F	mm	1620	2020	2820
	G	mm	3500	4000	5000



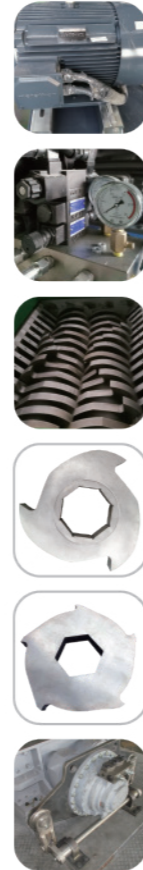
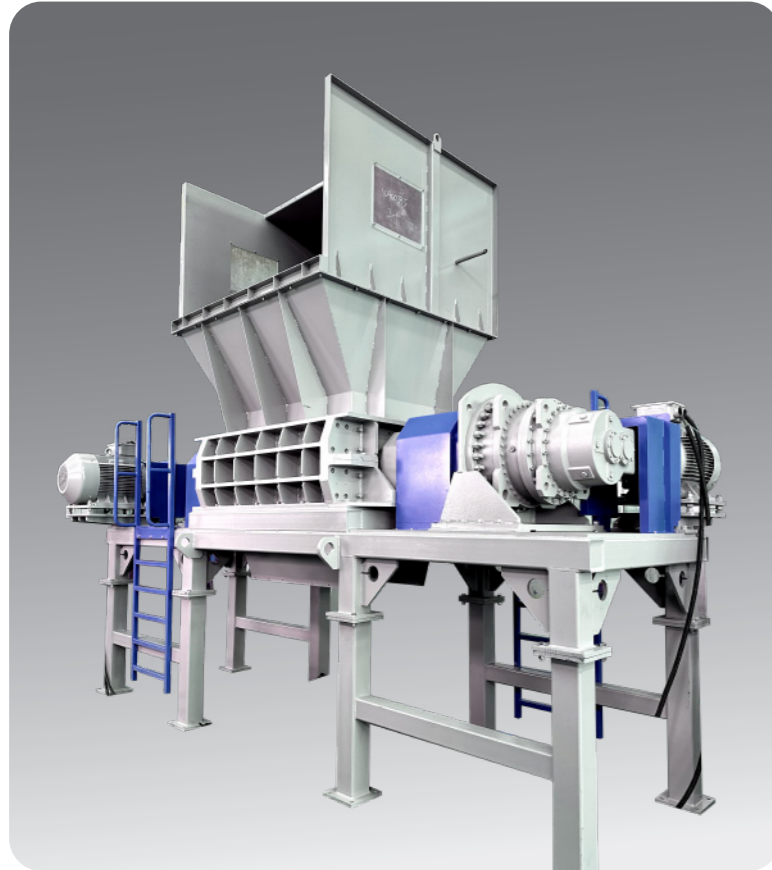
# SD HEAVY DUTY TWIN SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# SD HEAVY DUTY TWIN SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Hexagonal shaft design
- Machined bolt-on cutting discs
- Robust heavy duty machine housing
- Low speed, high torque geared drive Bolt in drive shafts
- Multiple blade designs
- Auto reverse function
- Shock absorbing gearbox
- Case hardened steel blades
- 2 piece split bearing housing
- Advanced adjustable sealing system
- Amp meter control

## OPTIONS >

- Rotary screen
- Hydraulic drive
- Touch screen PLC
- Hopper mounted viewing mirror
- Increased motor drive
- Bespoke colour scheme
- Gearbox with shrink disc
- Housing wear plates

## GENERAL DESCRIPTION >

The SD Heavy Duty Twin Shaft Shredder is a versatile, heavy duty, dual electric motor driven, twin shaft shredding machine, available with various power and shaft speed configurations to handle a wide range of applications.

The twin shaft shredder uses two parallel shafts with interlocking cutting discs, as a result the material is shredded both lengthways and crossways. The cutting discs have tipped blades which grab the material and pull it down into the cutting chamber, making it particularly effective when shredded large hollow containers.

The machine is not fitted with a fixed screen which means that issues with screen bridging/blocking are avoided and a consistent throughput can be achieved. The product size is controlled by the width of the shredding blades, number of hooks, and hook profile.

The machine is typically provided complete with loading hopper, support frame and stand-alone electrical control panel housing the electrical switchgear and Siemens PLC controller.

Auto-reverse and overload protection are standard features of the SD Heavy Duty Twin Shaft Shredder. The PLC settings can easily be configured on site during commissioning to suit the type of materials being processed. Maintenance platforms and auxiliary equipment such as conveyors, separators, recirculation screens, and force feeding devices are available on request.

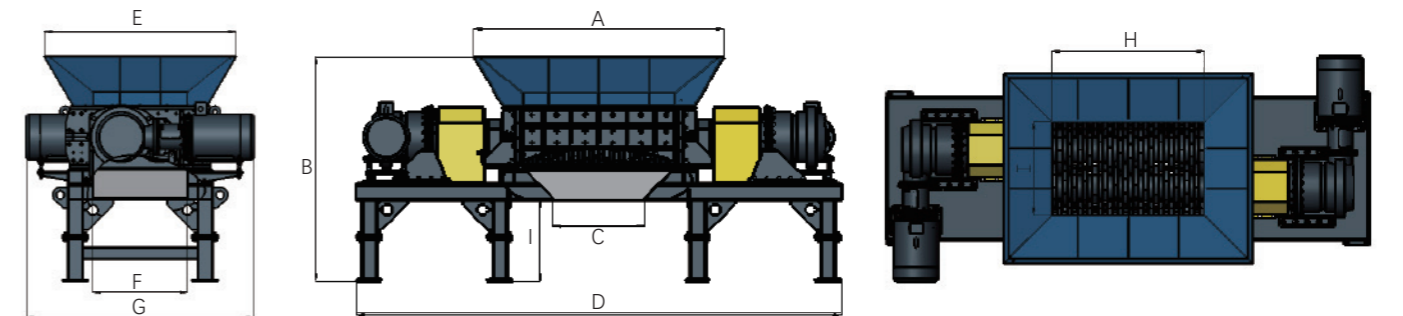
A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

RUBBER TIRES / LARGE HOUSEHOLD APPLIANCES / ALUMINUM OR STEEL, PROFILE AND SHEET / DOMESTIC, COMMERCIAL AND INDUSTRIAL WASTE.

## SPECIFICATION >

ITEM	UNIT	SD1000	SD1500	SD2000	
Cutting Chamber	mm	1030×940	1530×940	2040×1320	
Cutting Disc Diameter	mm	500	500	650	
Rotor Speed	rpm	11.6~12.9	11.6~12.9	9.1~10.4	
Main Motor Power	kw	2×18.5/2×22/2×30	2×37/2×45/2×55/2×75	2×75/2×90/2×110	
Cutting Discs	pcs	20	30	28	
Machine Dimensions	mm	3500×1900×2000	5000×2300×2500	7000×3200×4000	
Dimensions	A	mm	2000	2500	3600
	B	mm	2000	2240	4000
	C	mm	700	920	1500
	D	mm	3500	4860	7000
	E	mm	1500	1910	3000
	F	mm	640	940	1500
	G	mm	1900	2265	3200
	H	mm	1030	1530	2030
	I	mm	640	940	1530



# S GENERAL PURPOSE SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Large diameter flat rotor
- Machined pocket knife holders
- Optional hard facing
- Concave ground square knives
- Robust ram construction
- Heavy duty guide bearings
- Universal couplings
- Low speed, high torque geared drive
- Reduced footprint - (compared to horizontal pusher designs)
- Powerful hydraulic swing type ram
- Bolt in drive shafts
- Oil cooling on ram and gearbox
- Two speed hydraulic system
- Multiple rotor designs
- Ram comb plate
- Amp meter control

## OPTIONS >

- Hydraulic screen cradle
- Gearbox with shrink disc
- Rotor cooling
- Pipe spacer
- Touch screen PLC
- Hopper mounted viewing mirror
- Increased motor drive
- Hydraulic drive

## GENERAL DESCRIPTION >

The S General Purpose Single Shaft Shredder has a 457mm diameter profiled rotor made of solid steel, operating at a speed of 74rpm. The concave ground, aggressive 4-way rotating knives are mounted in the grooves of the profiled rotor with special knife holders. This enables a reduction of the cutting gap between the counter knives and the rotor which guarantees a high flow rate, low power consumption and maximum output of shredded material.

The hydraulically operated ram feeds the material automatically in the rotor's cutting chamber by load-related controls. The hydraulic system is equipped with high-pressure valves and volumetric flow controls which can be set according to the requirements of the input material.

Extremely robust pedestal bearing housings are mounted outside the machine and separate to the cutting chamber to prevent dust and dirt penetrating into the oversized

bearings. This ensures a long service life and minimum service and maintenance.

Power is transmitted from the motor by a drive belt via an oversized gearbox which is located on the shaft end on one end of the rotor.

A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

The S Shredders have been designed with a wide range of applications and industries in mind such as:  
**PLASTICS / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE**



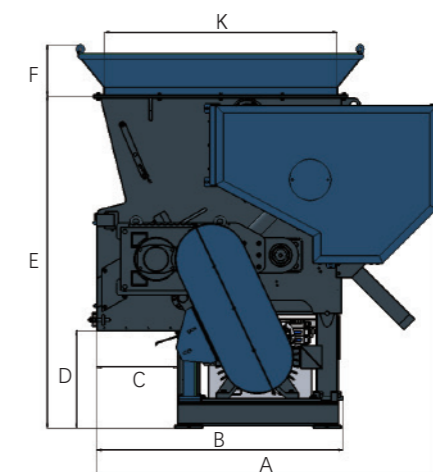
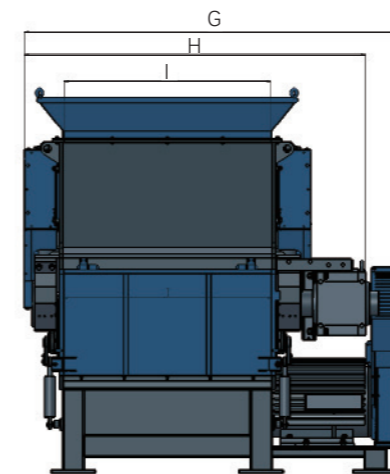
# S GENERAL PURPOSE SINGLE SHAFT SHREDDER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



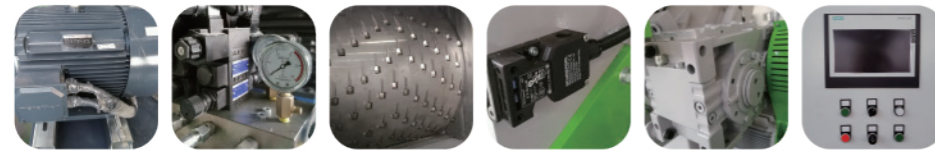
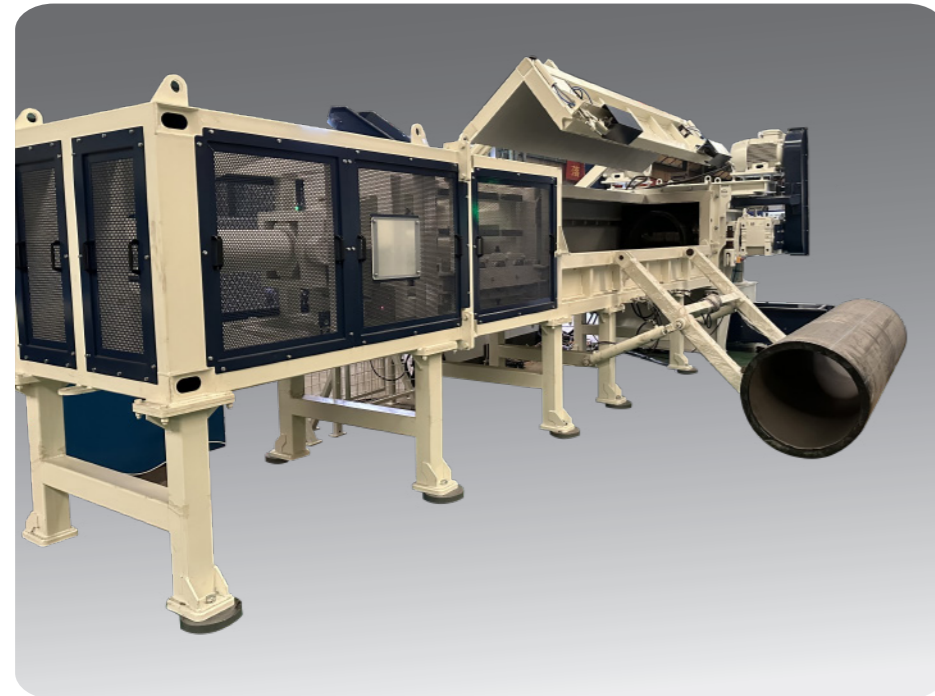
## SPECIFICATION >

ITEM	UNIT	S850	S1200	S1500	S2000	
Cutting Chamber	mm	840×1570	1120×1570	1400×1570	1960×1570	
Rotor Diameter	mm	457	457	457	457	
Rotor Speed	rpm	74	74	74	74	
Motor Power	kw	37/45/55	55	75	2×55/2×75	
Rotor Knives	pcs	60	81	102	144	
Stator Knives	pcs	2×3	2×4	2×5	2×7	
Hydraulic Ram Power	kw	3.75	5.5	5.5	5.5	
Screen Size	mm	40~100	40~100	40~100	40~100	
Shredding Chamber Size	mm	800×730	800×1000	800×1290	800×1860	
Dimensions	A	mm	2300	2300	2300	2300
	B	mm	1650	1650	1650	1650
	C	mm	540	540	540	540
	D	mm	660	660	660	660
	E	mm	2250	2250	2250	2250
	F	mm	350	350	350	350
	G	mm	2000	2280	2600	3720



# SR LARGE DIAMETER PIPE SHREDDER

SA/SX/SD/S/GR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Large diameter flat rotor
- Specially designed feeding trough
- Machined pocket knife holders
- Optional hard facing
- Concave ground square knives
- Robust ram construction
- Universal couplings
- Low speed, high torque geared drive
- Powerful horizontal hydraulic ram
- Bolt in drive shafts
- Multiple rotor designs
- Two speed hydraulic system
- Oil cooling on ram and gearbox
- Amp meter control

## OPTIONS >

- Wedge for thin walled products
- Gearbox with shrink disc
- Rotor cooling
- Touch screen PLC
- Increased motor drive
- Hydraulic drive
- Bespoke colour scheme
- Turbo hydraulics
- Housing wear plates
- Metal detector
- Horizontal discharge with overband magnet

## GENERAL DESCRIPTION >

The SR Large Diameter Pipe Shredder is specially designed for handling large diameter pipes (up to 3000mm diameter) without any need for precutting. The SR rotor diameters range from 800mm to 1500mm and the standard hopper can accept lengths up to 6m. The concave ground, aggressive 4-way rotating knives are mounted in the grooves of the profiled rotor with special knife holders. The SR shredder range can also be used to shred bundles of small diameter pipes and profiles, lumps, stacked wheelie bins, buckets & pallets, etc.

material horizontally in the rotor's cutting chamber by load-related controls. The hydraulic system is equipped with high-pressure valves and volumetric flow controls which can be set according to the requirements of the input material.

Extremely robust pedestal bearing housings are mounted outside the machine and separate to the cutting chamber to prevent dust and dirt penetrating into the oversized bearings. This ensures a long service life and minimum service and maintenance.

drive belt via an oversized gearbox which is located on the shaft end on one end of the rotor.

A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

The hydraulically operated ram feeds the

Power is transmitted from the motor by a

## APPLICATIONS >

LARGE DIAMETER PE, PP, PVC, HDPE PIPE/ DOUBLE WALLS CORRUGATED PIPE/ BUNDLED SMALL CALIBER PIPE AND PROFILE

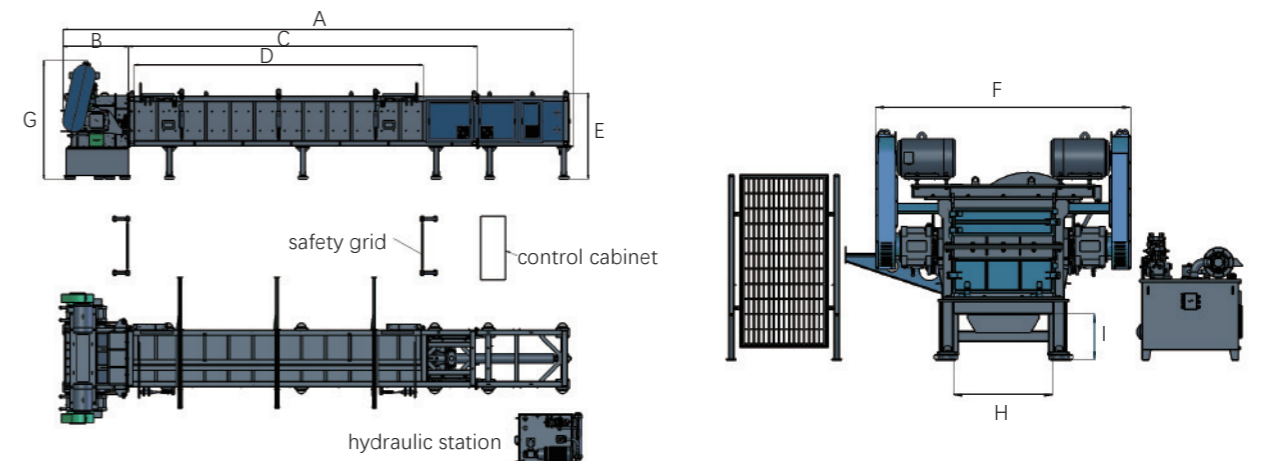
# SR LARGE DIAMETER PIPE SHREDDER

SA/SX/SD/S/GR/GC/GE/GF/GH/GP/PM/HM



## SPECIFICATION >

ITEM	UNIT	SR800	SR1000	SR1500	
Cutting Chamber	mm	3870×700	6700×870	6700×1300	
Rotor Diameter	mm	800	980	1430	
Rotor Speed	rpm	40	36	23	
Main Motor Power	kw	2×37	2×45	2×55	
Rotor Knives	pcs	60	108	204	
Stator Knives	row	3	4	5	
Hydraulic Ram Power	kw	15	15	15	
Machine Weight	kg	11000	20000	25000	
Effective Working Area	mm	3500×630	6000×800	6000×1000	
Dimensions	A	mm	7700	11900	12200
	B	mm	1420	1540	1800
	C	mm	5060	8100	8100
	D	mm	3860	6700	6700
	E	mm	1730	1840	2320
	F	mm	2550	2970	3360
	G	mm	2570	2660	3150
	H	mm	975	1070	1070
	I	mm	590	590	590



# GC GENERAL PURPOSE SOUNDPROOFED GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# GC GENERAL PURPOSE SOUNDPROOFED GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Complete soundproofed enclosure
- Deflector wedge
- V-cut technology
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control
- Integrated control panel

## OPTIONS >

- Soundproof conveyor channel
- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

## GENERAL DESCRIPTION >

The GC Soundproofed Granulator features a completely soundproofed enclosure giving the user extremely quiet operation when the machine is running. The sound dampening insulation uses the latest soundproofing technology to minimize decibel output. It has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access. The rotor is a heavy duty paddle type design

with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor.

All knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the GC granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. Specially designed knife setting jig means that the knives can be adjusted from outside the

machine, significantly reducing the downtime required to change/set knives. The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise. The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension.

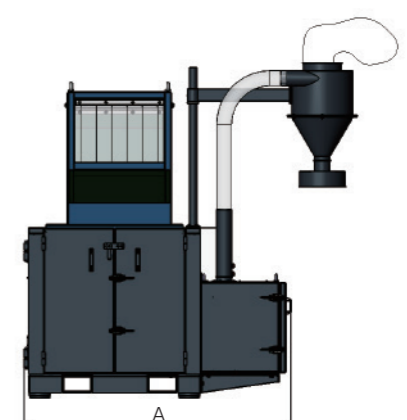
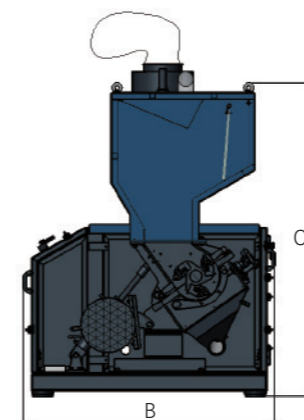
Integrated suction trough for material discharge. Specially designed hopper with 3 sets of curtains to prevent material flybacks. Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

GC Soundproofed Granulators have been designed with a wide range of applications and industries in mind such as:  
**PLASTICS / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE**

## SPECIFICATION >

ITEM	UNIT	GC300/600	GC300/1000	GC500/700
Rotor Diameter	mm	300	300	500
Rotor Width	mm	590	990	700
Rotor Knives	pcs	3×2	3×2	3×2
Stator Knives	row	2	2	2
Cutting Chamber Dimensions	mm	315×590	315×990	540×700
Motor Power	kw	11~18.5	18.5~22	30~45
Dimensions	A	mm	1680	1950
	B	mm	1550	1550
	C	mm	2110	2110
ITEM	UNIT	GC500/1000	GC700/700	GC700/1000
Rotor Diameter	mm	500	700	700
Rotor Width	mm	990	700	990
Rotor Knives	pcs	3×2	5×2	5×2
Stator Knives	row	2	2	2
Cutting Chamber Dimensions	mm	540×990	780×700	780×990
Motor Power	kW	45~75	45~55	45~75
Dimensions	A	mm	1900	1600
	B	mm	2300	2500
	C	mm	2770	3170



# GE GENERAL PURPOSE ECONOMICAL GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Deflector wedge
- V-cut technology
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control

## OPTIONS >

- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

## GENERAL DESCRIPTION >

The GE Economical Granulator has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor.

All knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the GE granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. Specially designed knife setting jig means that the knives can be adjusted from outside the machine, significantly reducing the downtime required to change/set knives.

The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise.

The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge. Specially designed hopper with 3 sets of curtains to prevent material flybacks.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

GE Economical Granulators have been designed with a wide range of applications and industries in mind such as:  
**PLASTICS / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE**



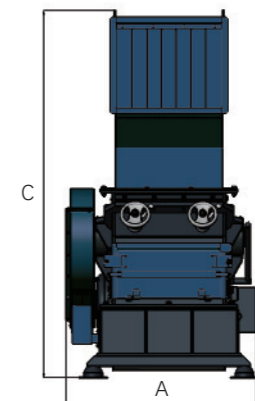
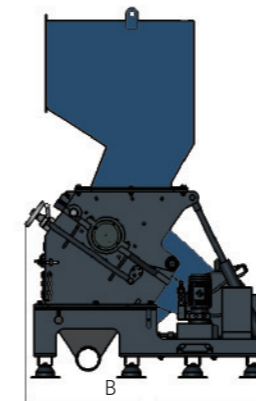
# GE GENERAL PURPOSE ECONOMICAL GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## SPECIFICATION >

ITEM	UNIT	GE300/600	GE300/1000	GE500/700	
Rotor Diameter	mm	300	300	500	
Rotor Width	mm	590	990	700	
Rotor Knives	pcs	3×2	3×2	3×2	
Stator Knives	row	2	2	2	
Cutting Chamber Dimensions	mm	315×590	315×990	540×700	
Motor Power	kw	11~18.5	18.5~22	30~45	
Dimensions	A	mm	1380	1620	1330
	B	mm	1800	1300	1680
	C	mm	1960	1960	2510
ITEM	UNIT	GE500/1000	GE700/700	GE700/1000	
Rotor Diameter	mm	500	700	700	
Rotor Width	mm	990	700	990	
Rotor Knives	pcs	3×2	5×2	5×2	
Stator Knives	row	2	2	2	
Cutting Chamber Dimensions	mm	540×900	780×700	780×990	
Motor Power	kw	37~45	45~55	45~75	
Dimensions	A	mm	1650	1410	1680
	B	mm	1910	2050	2050
	C	mm	2510	2910	2910



# GF SERIES—SPECIFY FOR FILM AND BOTTLE GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# GF SERIES—SPECIFY FOR FILM AND BOTTLE GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



### KEY FEATURES >

- Anti-wear machine housing
- Ladder blade rotor configuration for films and hollow plastics
- Suitable for wet and dry granulation
- 20-40% additional throughput
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control

### OPTIONS >

- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

### SPECIFICATION >

ITEM	UNIT	GF500/700	GF700/1000	GF700/1200	GF800/1600
Rotor Diameter	mm	Φ500	Φ700	Φ700	Φ800
Rotor Width	mm	700	1000	1160	1560
Rotor Knives	pcs	5×2	5×2/7×2	5×2/7×2	5×4/7×4
Stator Knives	row	2	2	2	2
Cutting Chamber Dimensions	mm	500×700	700×1000	700×1176	800×1600
Motor Power	kw	37~55	75	90	160
Capacity	Ton/hr	0.3~0.5	0.6~1	1.5~2	2.5~3

### GENERAL DESCRIPTION >

The GF Film & Bottle Granulator has been specially design for the processing of films, bottles, and other hollow thin walled plastics. It has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor. All

knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the GH granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. The GF rotor configuration provides between 20-40% additional throughput in comparison to standard rotor configurations.

Specially designed knife setting jig means that the knives can be adjusted from outside the machine, significantly reducing the downtime required to change/set knives.

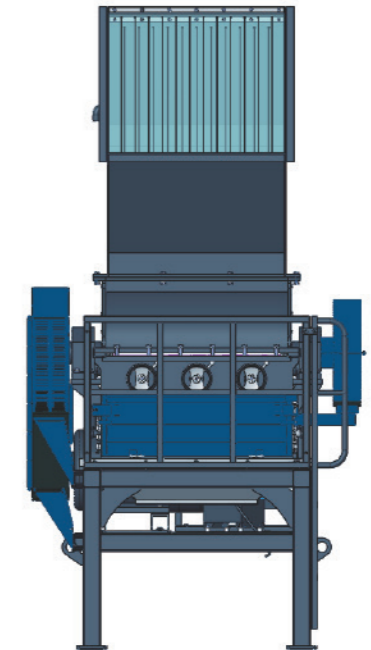
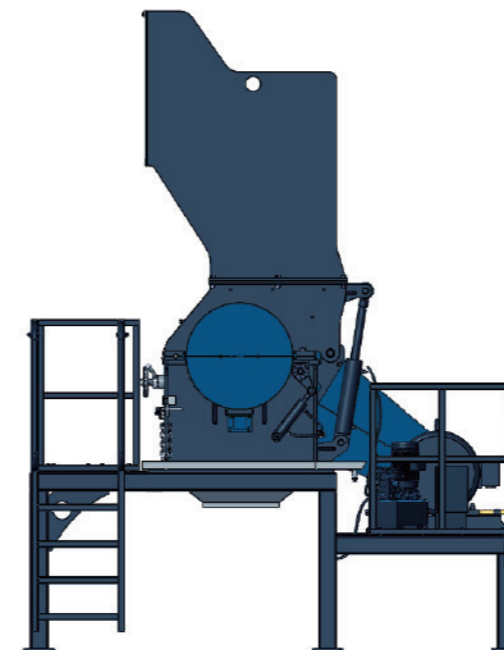
The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise. The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge.

Specially designed hopper with 3 sets of curtains to prevent material flybacks.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

### APPLICATIONS >

PLASTICS FILMS / PLASTIC BOTTLES / THIN WALLED HOLLOW PLASTICS / THIN WALLED PLASTIC COMPONENTS



# GH GENERAL PURPOSE HEAVY DUTY GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Deflector wedge
- V-cut technology
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control

## OPTIONS >

- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

## GENERAL DESCRIPTION >

The GH Heavy Duty Granulator has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor. All

knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the GH granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. Specially designed knife setting jig means that the knives can be adjusted from outside the machine, significantly reducing the downtime required to change/set knives.

The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise. The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge. Specially designed hopper with 3 sets of curtains to prevent material flybacks.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

GH Heavy Duty Granulators have been designed with a wide range of applications and industries in mind such as: **PLASTICS / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE**



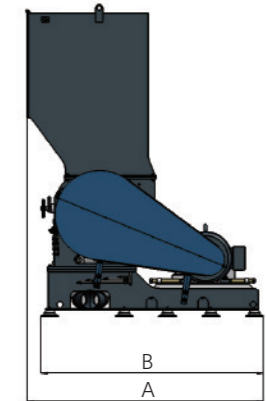
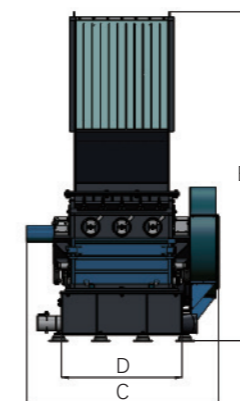
# GH GENERAL PURPOSE HEAVY DUTY GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## SPECIFICATION >

ITEM	UNIT	GH350/500	GH500/600	GH600/800	GH500/1000	
Rotor Diameter	mm	350	500	600	500	
Rotor Width	mm	500	600	800	1000	
Rotor Knives	pcs	3x2/5x2	3x2/5x2	5x2/7x2	3x2/5x2	
Stator Knives	row	2/3	2/3	2/3	2/3	
Cutting Chamber Dimensions	mm	516x460	636x590	790x695	985x590	
Motor Power	kw	15~22	37~55	55~90	55~90	
Dimensions	A	mm	1800	2080	2300	2230
	B	mm	1600	1850	2100	2000
	C	mm	1250	1530	1850	1950
	D	mm	770	940	1120	1350
	E	mm	2500	2620	3000	2860
ITEM	UNIT	GH700/1000	GH800/1200	GH800/1600	GH800/2000	
Rotor Diameter	mm	700	800	800	800	
Rotor Width	mm	1000	1200	1600	2000	
Rotor Knives	pcs	5x2/7x2/9x2	7x2/9x2	7x4/9x4	7x4/9x4	
Stator Knives	row	2/3	2/3	2/3	2/3	
Cutting Chamber Dimensions	mm	985x800	1150x915	1570x915	1960x915	
Motor Power	kw	75~110	110~160	132~200	160~200x2	
Dimensions	A	mm	2800	3100	3140	2740
	B	mm	2500	2800	2800	2600
	C	mm	2060	2360	2800	3460
	D	mm	1290	1530	1960	2250
	E	mm	3420	3820	4250	4775



# GP PIPE / PROFILE GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# GP PIPE / PROFILE GRANULATOR

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Near horizontal feeding hopper
- Specially designed deflector wedge
- V-cut technology
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to screen cradle
- Replaceable wear plates
- Amp meter control

## OPTIONS >

- Block blades for deflector wedge
- Extra flywheel
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

## SPECIFICATION >

ITEM	UNIT	GP600/500	GP560/700	GP560/1000	GP700/1400	
Infeed Opening	mm	440×440	640×280	910×280	1440×320	
Rotor Diameter	mm	600	560	560	700	
Rotor Speed	rpm	560	470	470	410	
Main Motor Power	kw	37~45	55~75	75~90	90~110	
Rotor Knives	pcs	5×2	5×2	5×2	5×4/7×4	
Stator Knives	row	2	2	2	2	
Hydraulic Ram Power	kw	1.5	1.5	1.5	1.5	
Screen Size	mm	6~30	6~30	6~30	8~30	
Effective Working Area	mm	516×498	716×650	985×650	1400×700	
Dimensions	A	mm	2250	2400	2400	2480
	B	mm	1860	2200	2200	2320
	C	mm	1350	1800	2050	2400
	D	mm	820	1060	1480	1840
	E	mm	1620	1750	1750	1980

## GENERAL DESCRIPTION >

The GP Pipe/Profile Granulator has a near horizontal feeding hopper to allow easy feeding of long pipes or profiles – it has special feeding slots and an angled rotor which pulls the lengths of material into the cutting chamber. It has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades

when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor.

All knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the GP granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

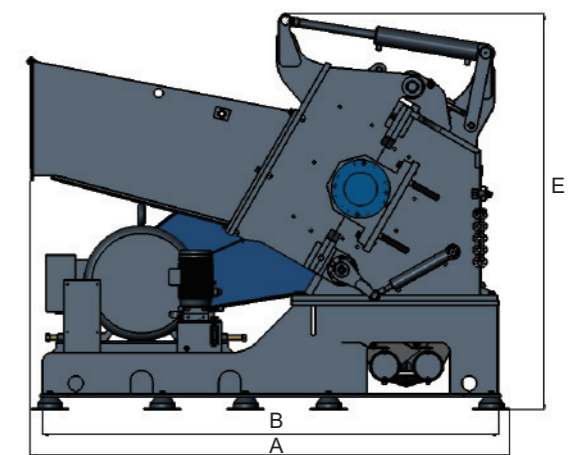
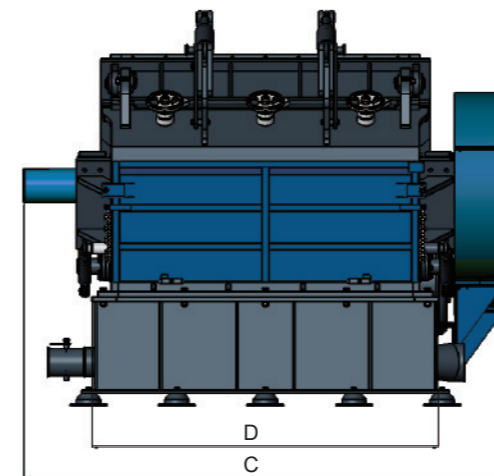
The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. Specially designed knife setting jig means that the knives can be adjusted from outside the

machine, significantly reducing the downtime required to change/set knives. The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise. The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

GP Pipe/Profile Granulators have been designed with a wide range of applications and industries in mind such as: **PLASTICS / WOOD (specifically long lengths of material such as pipes, profiles, sheets, etc.)**



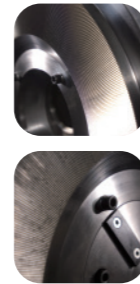
# PM HIGHSPEED PRECISION PULVERIZER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# PM HIGHSPEED PRECISION PULVERIZER

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



## KEY FEATURES >

- Choice of 1 piece or segmented grinding discs
- Automated temperature monitoring
- Automated cooling system
- Special bearing arrangement
- Easily adjustable grinding gap
- Near flat design of cutting chamber
- Vibrating dosing channel
- Low drive power / High throughput
- Robust welded steel construction
- Wide choice of disc variations
- Replaceable wear plates
- Amp meter control

## OPTIONS >

- Feeding & dosing unit
- Touch screen PLC control
- Screening machine
- Metal separator
- Rotary valve
- Soundproofed cabin
- Vacuum discharge conveyor
- Automatic lubrication unit
- Bespoke colour scheme

## SPECIFICATION >

ITEM	UNIT	PM300	PM500	PM800
Disc Diameter	mm	300	500	800
Motor Power	kw	22	55	90
Weight	kg	1200	1900	3200
Capacity	kg/hr	50~500	100~1000	200~1500
Dimensions	A	mm	1850	2100
	B	mm	1370	1800
	C	mm	1500	1680

## GENERAL DESCRIPTION >

The PM High Speed Precision Pulverizers are available with disc diameters ranging from 300mm to 800mm. They are high speed precision grinding machines used for processing medium hard, impact resistant and friable materials. The infeed material is fed via a vertically mounted fixed grinding disc which is mounted concentrically with an identical high speed rotating disc. Centrifugal force transfers the material through the grinding chamber and the discharge powder is collected via a blower and cyclone unit.

The PM range can be equipped with either one piece or segmented grinding discs which are made from chrome nickel tool steel as

standard and can be treated for increased wear resistance.

The material temperature is monitored automatically throughout the process and an automatic cooling system ensures that temperature levels are kept within a safe range.

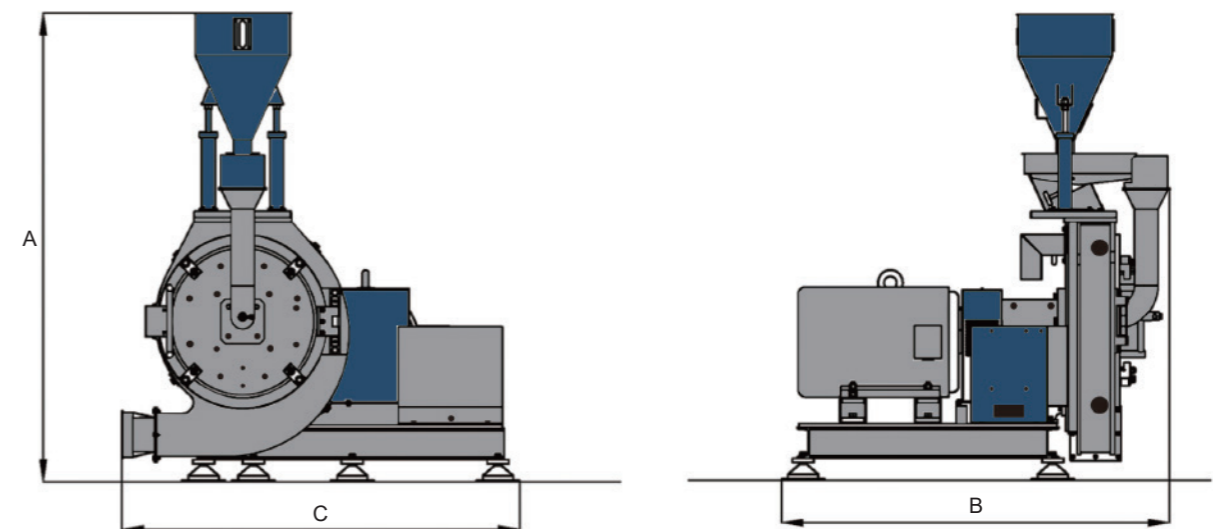
The material is fed into the machine via a vibrating dosing channel, the feeding rate is automatically adjusted based on the amperage of the motor and material temperature readings.

The base frame has a solid welded construc-

tion with anti-vibration rubber feet to reduce vibration and noise.

The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge.

Integrated rundown safety device prevents access to the discs until they have come to a complete stop. A safety switch prevents machine startup when the disc cover is open and the machine features emergency stop buttons on the machine body and control panel.



## APPLICATIONS >

PM High Speed Precision Pulverizers have been designed with a range of applications and industries in mind such as:

**PLASTICS (Predominantly PVC regrind) / ROTOMOLDED PE / OTHER FRIABLE MATERIALS**



# HM SERIES-HAMMER MILL

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM



# HM SERIES-HAMMER MILL

SA/SX/SD/S/SR/GC/GE/GF/GH/GP/PM/HM

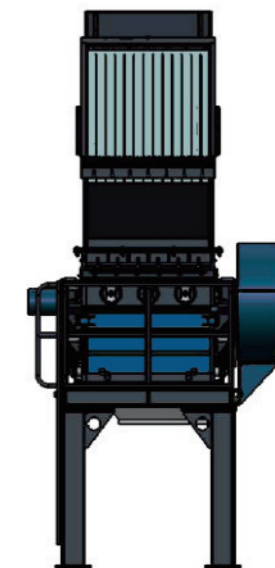
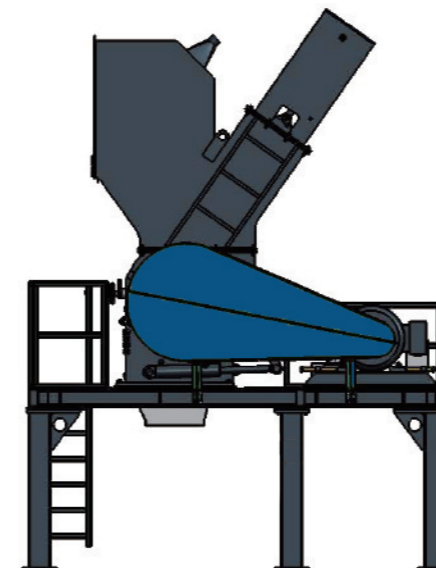


## SPECIFICATION >

ITEM	UNIT	HM600/800	HM700/1000	HM800/1200	HM800/1600
Rotor Diameter	mm	Φ600	Φ700	Φ800	Φ800
Rotor Width	mm	800	1000	1200	1600
Rotor Knives	pcs	21	24	27	30
Stator Knives	row	2	2	2	2
Cutting Chamber Dimensions	mm	600×800	700×1000	800×1200	800×1600
Motor Power	kw	55~90	75~110	110~160	130~200

## APPLICATIONS >

CIRCUIT BOARD/ TV, COMPUTER AND OTHER BRITTLE MATERIALS



## GENERAL DESCRIPTION >

HM Series granulator is specially designed for circuit board and brittle materials. It's a heavy duty type which is crushed by hammering principle. This machine is robust and it has anti-wear treatment crushing chamber, rotor and knives. HM Series granulator is beautiful, reliable, adaptable and affordable.

## ADVANTAGES >

- Anti-wear treatment crushing chamber and rotor
- Long life knives
- High versatility
- Large capacity
- Output size can be controlled

