



## Sound-proof Central Granulator

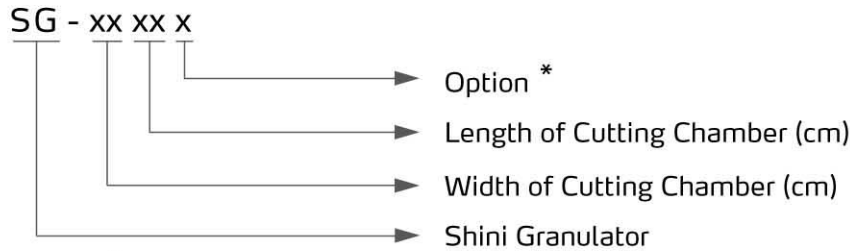
SG-4360



Refer carefully to this manual before operation.

# SG-43 Series

## ■ Coding Principle



Notes: \*

H=Higher Motor Power      F=Fiber Reinforced Plastics      FAD=Full-receiver Alarm Device  
R=For Stainless Steel Made Feed Port and Storage Tank      CE=CE Conformity

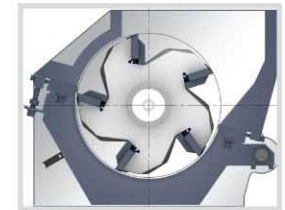
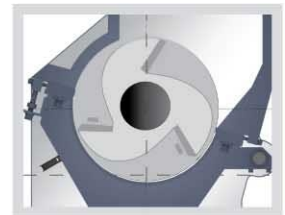
## ■ Features

### Standard configuration

- Optimized structure and full-closed sound-proofing ensure low noise level.
- Cutting chamber made of high rigidity material, after processing by CNC machine, has the features like high intensity, super wearability, no contamination, long service life and easy for maintenance and repairing.
- The initial cut-off point of machine with cutting chamber design is high, applicable to grind thick walled objects and sheet.
- Paddle blades design allows increased efficiency.
- The cutters are made of imported high quality steel featuring wearability, high rigidity and reuse after sharpening.
- Equipped with presetting knife jig, rotating blades can be adjusted in the fixture outside the machine inside of machine instead of machine inside. It made blades adjustment much easier.
- Cooling water device at the rear plate of the cutting chamber can effectively cool down the cutting chamber and prevent materials from melting-up.
- Equipped with electrical current relay, motor overload protector and multiple safety devices, to ensure safe operation.
- Regrind conveying system as standard.
- Dust cyclone separator can effectively remove the air from regrind and facilitates material collecting.
- SG-43 series adopts anti-vibration pads to absorb vibration during operation.

### Accessory option

- The function of fiber reinforced material granulating is optional. Adopt surface-hardening treatment on the material contacting component. And blade material is V-4E joint with S50C.
- Cyclone dust separator is available as an option and the height of its floor stand can be adjusted to meet different requirements.
- Two fixed plus five rotating blades is optional with a small feed port of cutting chamber, suitable for granulating block and solid, thick sheet material.
- Separate blower, conveyor and material side feed pipe are optional.



## ■ Application

SG-43 series is suitable for centralized recycling of waste and rejected parts from injection, blowing molding and extrusion lines. This series features compact design, easy operation and quick blade replacement. Gradually inclined cutting and integrated power design offers a better cutting effect and a lower noise level, ensures low energy consumption.

## ■ Options



### Separate Conveying Blower

The blower stands outside the machine. Without restriction of the inner space of the machine, customer can choose different kinds of blowers.



### Feeding Hopper for Conveyor

Material feeding for traditional large granulators is quite a difficult matter. They are generally installed at a lower place or a platform must be built for material feeding. Shini has particularly designed the belt conveyor to easily convey the material into the cutting chamber of SG-43 series.

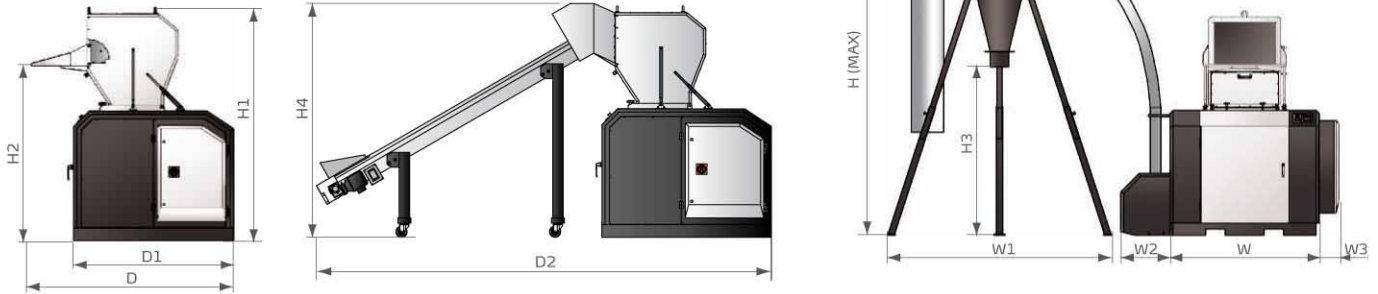


### Material Side Feed Pipe

The design of feeding hopper of traditional granulators is not suitable for longer pipes and section bars. We have designed material side feed pipe for convenient feeding of long materials.

# SG-43 Series

## Outline Drawings



## Specifications

Model	SG-4360(H)	SG-4390(H)
Motor Power (kW, 50/60Hz)	30/34 (37/41.5)	37/41.5 (45/51)
Conveying Blower (kW, 50/60Hz)	2.2/2.55	2.2
Rotating Speed (rpm, 50/60Hz)	525/630	525/630
Quantity of Fixed Blades	2 x 1	2 x 2
Quantity of Rotating Blades(Optional)	3 x 1(5 x 1)	3 x 2(5 x 2)
Cutting Chamber (mm)	430 x 600	430 x 800
Max. Output(kg/hr)	800	1000
Noise Level dB(A)	105~110	105~110
Material of Blades	SKD11	SKD11
Regrind Conveyor	√	√
Screen (Φ10 mm)	√	√
Flywheel	√	√
Presetting Knife Jig	√	√
Screen (Φ8,12,17,25 mm)	○	○
Increased Material Conveying Blower Power (kW)	○(3)	○(3)
Dust Separator (DS-43)	○	○
Feeding Hopper with Magnet	○	○
Full-receiver Alarm Device	○	○
Belt Conveyor Material Inlet	○	○
Cooling Water Unit	√	√
Dimensions		
H (mm)	3155	3155
H1 (mm)	2185	2185
H2 (mm)	1640	1640
H3 (mm)	1630	1630
H4 (mm)	2210	2210
W (mm)	1450	1650
W1 (mm)	2120	2120
W2 (mm)	480	480
W3 (mm)	190	190
D (mm)	1900	1900
D1 (mm)	1500	1500
D2 (mm)	4200	4250
Weight (kg)	2350 (2430)	2830 (2880)

Notes: 1) "√" stands for standard, "○" stands for optional.

2) "H" stands for higher motor power.

3) For stainless steel made feed hopper cover plate and storage tank, Add "R" at end of the model code.

4) SKD11 is steel grade of Japanese JIS standard.

5) When granulating fibers reinforced plastics or materials alike (e.g. CPVC), it is suitable to select granulators with special quenching process in for cutting chamber and blades, and also add "F" at end of the model code.

6) Max. capacity of the machine is subject to diameter of screen mesh and composition of the material.

7) Noise level varies with different materials and motor types.

8) Noise level is tested under conditions of 1m around the machine and 1.6m from the ground.

9) Power supply : 3Φ, 230/400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

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