



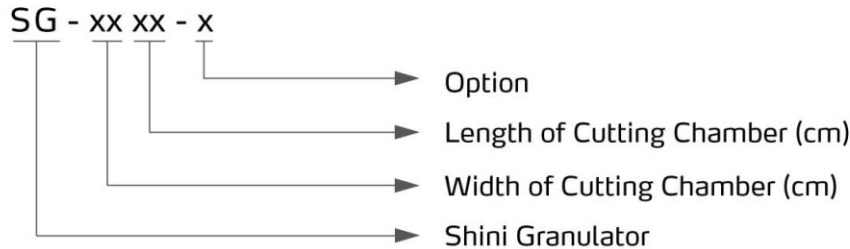
## Sound-proof Central Granulator

SG-4390



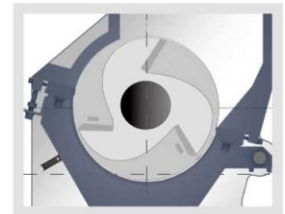
Refer carefully to this manual before operation.

## ■ Coding Principle



## ■ Features

- 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.
- Equipped with flywheel to improve cutting ability.



Two Fixed plus  
Three Rotating Blades



Two Fixed plus  
Five Rotating Blades



Presetting Knife jig

## ■ 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.

# SG-43 Series

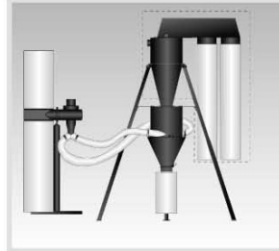
## Options

### Two Fixed plus Five Rotating Blades (High Cutting Point)



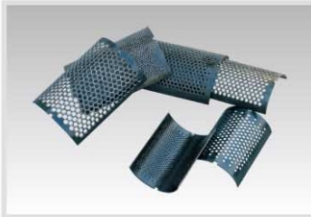
Two fixed plus five rotating blades is optional with a small feed port of cutting chamber, suitable for granulating block and solid, thick sheet material.

### Cyclone dust separator conveying device



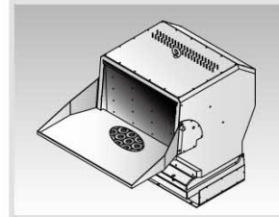
Dust Separator can separate the dust in the regrind for immediate recycle use. The dust will be kept in filter bag, thus working environment will remain clean. This device ensures full use of regrind to avoid material wasting and enhance the economy returns. Add "DS" at the end of the model code.

### Special Screens



Special screen mesh sizes:  $\Phi 10$ ,  $\Phi 17$ ,  $\Phi 25$  (mm) for SG-43 series. Add "SS + screen diameter" at the end of the model code, e.g.:  $\Phi 6$ mm, add "SS06".

### Feed Hopper with Magnet



Feed hopper with magnet is used to take out metal craps and impurities in the material. Add "FHM" at the end of the model code;



### 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. Add "SC" at the end of the model code.



### 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. Add "BCF" at the end of the model code.

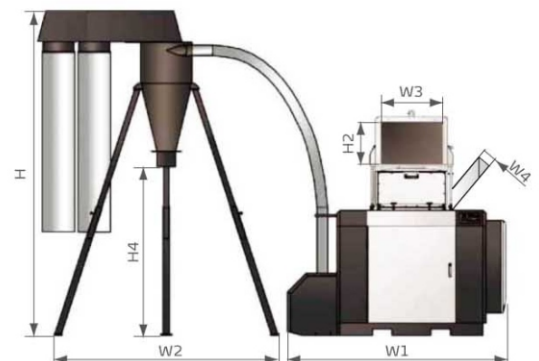
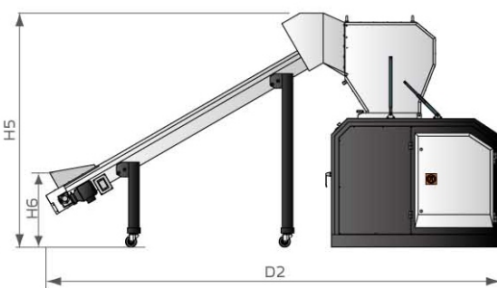


### Material Side Feed Pipe

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. Add "SF" at the end of the model code.

- 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. Add "F" at the end of the model code;
- Full-receive alarm device helps to realize unmanned operation and no materials will be wasted, Add "FAD" at end of the model code.
- For stainless steel made feed hopper cover plate and storage tank, Add "R" at end of the model code.

## 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       |             |
|  | inch    | 16.9 x 23.6     | 16.9 x 31.5     |             |
| Max. Output                                    | kg/hr   | 800             | 1000            |             |
|  | lb/hr   | 1764            | 2205            |             |
| Noise Level dB(A)                              |         | 105~110         | 105~110         |             |
| Material of Blades                             |         | SKD11           | SKD11           |             |
| Screen   |         | Φ12 mm/0.47"    | Φ12 mm/0.47"    |             |
| Increased Material Conveying Blower Power (kW) |         | ○(3)            | ○(3)            |             |
| Dimensions                                     | H (mm)  | mm              | 2710-3340       | 2710-3340   |
|  |         | inch            | 106.7~131.5     | 106.7~131.5 |
|  | H1 (mm) | mm              | 1660            | 1660        |
|  |         | inch            | 65.4            | 65.4        |
|  | H2 (mm) | mm              | 430             | 430         |
|  |         | inch            | 16.9            | 16.9        |
|  | H3 (mm) | mm              | 2190            | 2190        |
|  |         | inch            | 86.2            | 86.2        |
|  | H4 (mm) | mm              | 1240-1870       | 1240-1870   |
|  |         | inch            | 48.8-73.6       | 48.8-73.6   |
|  | H5 (mm) | mm              | 2210            | 2210        |
|  |         | inch            | 87              | 87          |
|  | H6 (mm) | mm              | 710             | 710         |
|  |         | inch            | 28              | 28          |
|  | W1 (mm) | mm              | 2120            | 2120        |
|  |         | inch            | 83.5            | 83.5        |
|  | W2 (mm) | mm              | 1900-2310       | 1900-2310   |
|  |         | inch            | 74.8-90.9       | 74.8-90.9   |
|  | W3 (mm) | mm              | 600             | 900         |
|  |         | inch            | 23.6            | 35.4        |
|  | W4 (mm) | mm              | 166 x 166       | 166 x 166   |
|  |         | inch            | 6.5 x 6.5       | 6.5 x 6.5   |
|  | D (mm)  | mm              | 1950            | 1950        |
|  |         | inch            | 76.8            | 76.8        |
| D1 (mm)  | mm      | 1550            | 1550            |             |
|  | inch    | 61              | 61              |             |
| D2 (mm)  | mm      | 4300            | 4350            |             |
|  | inch    | 165.4           | 167.3           |             |
| Weight   | kg      | 2350 (2430)     | 2730 (2780)     |             |
|  | lb      | 5181 (5357)     | 6019 (6129)     |             |

Notes: 1) "○" stands for optional.

2) "H" stands for higher motor power.

3) SKD11 is steel grade of Japanese JIS standard.

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

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

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

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

We reserve the right to change specifications without prior notice.

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### Factories:

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