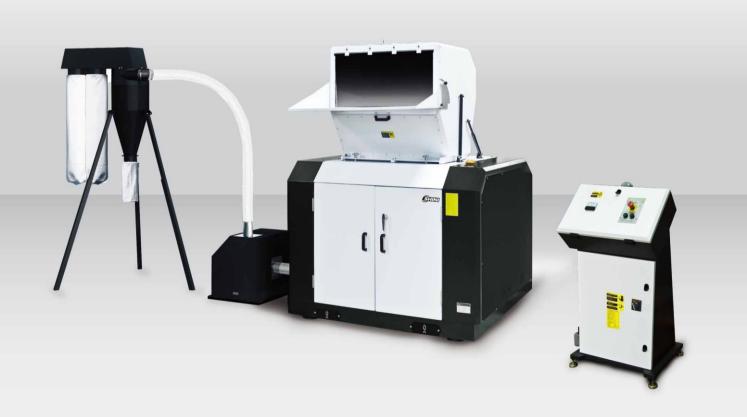


## Sound-proof Central Granulator

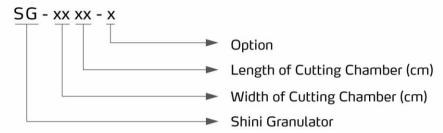
SG-4390



# SG-43 Series



#### 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

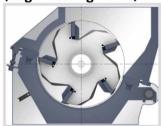
#### Application

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.

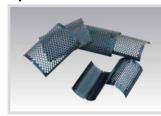
## Cyclone dust separator conveying device



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.

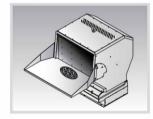
#### Special Screens



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.:  $\Phi$ 6mm, add "SSO6".

#### 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;



#### 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.



#### **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.

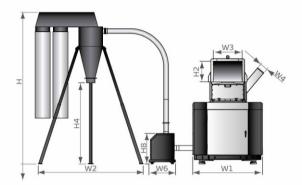
Add "BCF" at the end of the model code.

- 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.

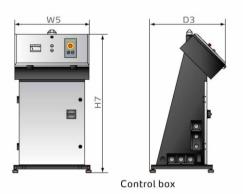


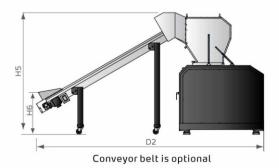
### **Outline Drawings**

# SG-43



Collocated with the power increased feeding blower





#### **Specifications**

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				SG-4360(H)	SG-4390(H)
Rotating Speed (rpm, 50/60Hz)   525/630   525/630	Motor Power (kW, 50/60Hz)			30/34 (37/41.5)	37/41.5 (45/51)
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         16.9 x 31.5           Max. Output         kg/hr         800         1000           Ib/hr         1764         2205           Noise Level dB(A)         105-110         105-110           Material of Blades         SKD11         SKD11           Screen         #12 mm/0.47"         #12 mm/0.47"           #1 (mm)         mm         2710-3155         2710-3155           inch         106.7-124.2         106.7-124.2         106.7-124.2           #1 (mm)         mm         1708         1708           inch         16.9         16.9         16.9           #1 (mm)         mm         1240         16.9         16.9           #3 (mm)         mm         1240-1690         1240-1690         1240-1690         1240-1690         16.9         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5         48.8-66.5	Conveying Blower (kW, 50/60Hz)			2.2/2.55	2.2
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           Noise Level dB(A)         105-110         105-110           Material of Blades         SKD11         SKD11           Screen         \$\phi\$1 (mn)         \$\phi\$1 (mn)         \$\phi\$1 (mn)           H (mm)         mm         2710-3155         \$\phi\$10-3155         \$\phi\$10-3155           H1 (mm)         inch         106.7-124.2         106.7-124.2         \$\phi\$10-7-124.2	Rotating Speed (rpm, 50/60Hz)			525/630	525/630
Cutting Chamber         mm (16.9 x 23.6) (16.9 x 33.5) (16.9 x 33.5				2 x 1	2 x 2
Max. Output	Quantity of Rotating Blades(Optional)			3 x 1 (5 x 1)	3 x 2 (5 x 2)
Max. Output   Inch   16.9 x 23.6   16.9 x 31.5	Cutting Chamber mm		430 x 600	430 x 800	
Noise Level dB(A)	inch		16.9 x 23.6	16.9 x 31.5	
Noise Level dB(A)	Ib/hr		800	1000	
Material of Blades   SKD11   SKD11   SKD11			1764	A CONTRACTOR OF THE PARTY OF TH	
Screen	Noise Level dB(A)				105~110
Type Feb Feb Feb Feb Feb Feb Feb Feb Feb Fe					
H (mm)	Screen		Φ12 mm/0.47"	Φ12 mm/0.47"	
H1 (mm)		H (mm)	mm		
H1 (mm)			inch	106.7~124.2	106.7~124.2
H2 (mm)		H1 (mm)	mm	The state of the s	42.000
H2 (mm)			inch		
H3 (mm)		H2 (mm)	mm		2.70
H3 (mm)			inch		
H4 (mm)	Dimensions	H3 (mm)	mm	2260	2260
H4 (mm)			inch		375.000
H5 (mm)		H4 (mm)			
H5 (mm)			inch		A A A A A A A A A A A A A A A A A A A
H6 (mm)		H5 (mm)			
H6 (mm)					
H7 (mm)		H6 (mm)			
H7 (mm) inch 50 50 50   H8 (mm) mm 636(970) 636(970) inch 25(38.2) 25(38.2)   W1 (mm) mm 1450 1750 inch 57 69   W2 (mm) inch 74.8-90.9 74.8-90.9   W3 (mm) mm 600 900 inch 23.6 35.4   W4 (mm) inch 6.3 x 6.3 6.3 x 6.3   W5 (mm) mm 720 720 inch 28.3 28.3   W6 (mm) mm 552(630) 552(630) inch 21.7(24.8) 21.7(24.8)   D (mm) mm 1950 1950 inch 76.8 76.8   D1 (mm) mm 1550 1550 inch 61 61 61   D2 (mm) mm 4300 4350 inch 165.4 167.3   D3 (mm) mm 690 690 inch 27.2 27.2   Weight   Weight   W1 (mm) 50 1950 1950 1950 1050 1050 1050 1050 1					
H8 (mm)		Total Control			
No			1000 MANON II		
W2 (mm)         inch         74.8-90.9         74.8-90.9           W3 (mm)         mm         600         900           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           W5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         inch         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					
W2 (mm)         inch         74.8-90.9         74.8-90.9           W3 (mm)         mm         600         900           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           W5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         inch         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					
W2 (mm)         inch         74.8-90.9         74.8-90.9           W3 (mm)         mm         600         900           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           W5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         inch         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					
W2 (mm)         inch         74.8-90.9         74.8-90.9           W3 (mm)         mm         600         900           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           W5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         inch         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					
W3 (mm)         mm         600         900           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           w6 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         mm         1550         1550           inch         61         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					The second of th
W3 (mm)           inch         23.6         35.4           W4 (mm)         mm         160 x 160         160 x 160           w5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         mm         1550         1550           inch         61         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)					
W4 (mm)         mm         160 x 160         160 x 160         160 x 160           W5 (mm)         mm         720         720           W6 (mm)         mm         552(630)         552(630)           D (mm)         mm         1950         1950           D1 (mm)         mm         1550         1550           inch         61         61         61         61         61         61         61         61         62         63         (mm)         1550 <td rowspan="2">W3 (mm)</td> <td></td> <td></td> <td>- Constitution</td>		W3 (mm)			- Constitution
W4 (mm)         inch         6.3 x 6.3         6.3 x 6.3           W5 (mm)         mm         720         720           inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         mm         1550         1550           inch         61         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)			The second secon		
W5 (mm)         mm         720         720           w6 (mm)         inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           D (mm)         inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           D (mm)         mm         1550         1550           inch         61         61         61           D (mm)         mm         4300         4350           inch         165.4         167.3           D (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)		W4 (mm)			
W5 (mm)         inch         28.3         28.3           W6 (mm)         mm         552(630)         552(630)           D (mm)         inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           D1 (mm)         mm         1550         1550           D1 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)					
W6 (mm)         mm         552(630)         552(630)           D (mm)         inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           D1 (mm)         mm         1550         1550           inch         61         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)		W5 (mm)			V-10-2-10-11
W6 (mm)         inch         21.7(24.8)         21.7(24.8)           D (mm)         mm         1950         1950           inch         76.8         76.8           mm         1550         1550           inch         61         61           D2 (mm)         mm         4300         4350           inch         165.4         167.3           D3 (mm)         mm         690         690           inch         27.2         27.2           Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)			inch		
D (mm)		W6 (mm)			
D (mm)   inch   76.8   76.8					
D1 (mm)			141501111111		
D1 (mm) inch 61 61  D2 (mm) mm 4300 4350 inch 165.4 167.3  D3 (mm) mm 690 690 inch 27.2 27.2  Weight kg 2350 (2430) 2730 (2780)  Ib 5181 (5357) 6019 (6129)					
D2 (mm)		D1 (mm)			
D2 (mm) inch 165.4 167.3  D3 (mm) mm 690 690 inch 27.2 27.2  kg 2350 (2430) 2730 (2780)  Ib 5181 (5357) 6019 (6129)					
D3 (mm)         mm         690         690           inch         27.2         27.2           kg         2350 (2430)         2730 (2780)           lb         5181 (5357)         6019 (6129)		D2 (mm)			
Weight         kg         27.2         27.2           1b         5181 (5357)         6019 (6129)					0.0000000000000000000000000000000000000
Weight         kg         2350 (2430)         2730 (2780)           Ib         5181 (5357)         6019 (6129)		D3 (mm)			
Weight Ib 5181 (5357) 6019 (6129)			-		
2101 (2221) 0013 (0153)		Weight			
Notes: 1) " = " stoods for optional				5181 (5357)	6019 (6129)

- Notes: 1) " o " stands for optional.
  2) " H " stands for higher motor power.
  3) SKD1 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 form the ground. 7) Power supply: 3Φ, 230/400/460/575VAC, 50/60Hz.

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#### Factories:

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