

Sound-proof Central Granulators

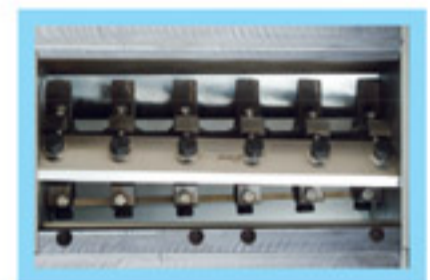
SG - 23 / 30 / 36 series sound - proof central granulators are suitable for centralized recycling of wastes or rejected parts from injection moulding, blow moulding or extrusion lines. The machines feature optimized structure, easy operation, and quick blade replacement. Staggered rotating blades can easily grab and cut through materials. This design makes the machine work more efficiently and can reduce waste of energy to the minimum. This granulator has various models with wide application range to meet different customer's demand.



SG-2348

Features:

- SG - 23 series adopts staggered blades design, SG - 30 series adopts staggered blades design and paddle blades design, SG - 36 series adopts paddle blades design.
- Staggered blades design can decentralize working load when granulating to increase cutting efficiency, Blade retainer is designed for quick blade replacement without re - adjustment.
- Paddle blades design allows increased efficiency and reduced energy consumption.
- The blade material used importation steel, to ensure high quality and high durability.
- Full - closed design and sound - proofing ensure low noise level.
- Equipped with electrical current relay, motor overload protector and other multiple safety devices.
- For granulating fibre - added material, increase fibre - added granulator model for choose. Adopt surface - hardening treatment on the material contacting components. SG - 30 fibre - added model have V - 4E and ASP - 23 blade material for choose. SG - 30P and SG - 36 fibre - added model blade material used V - 4E joint with S50C.
- Cyclone dust separator can effectively remove the dust from regrind and facilitates the material collecting.
- Dust collecting bag brings easiness for dust cleaning and reduce contamination.
- Regrind conveying system as standard.
- Anti - vibration pads absorb vibration from SG - 36 series.
- Upon request, it can be built to comply with worldwide electrical safety standards (For example : CE, UL, CSA, JIS etc.).



Paddle Blades

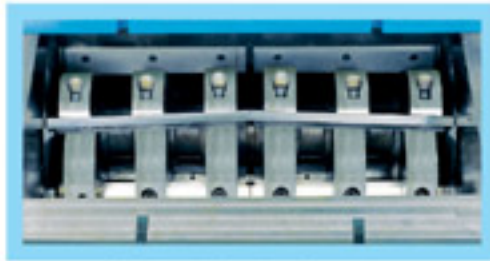


Staggered Blades

SG-23/30/36/50

Sound-proof Central Granulators (SG-50)

SG - 50 series granulators are applicable to granulate various kinds of plastic materials from injection moulding, blow moulding or extrusion moulding. This series feature compact design, easy operation and quick blade replacement. It is great in motor power, cutting chamber size, and output capacity. Gradually inclined cutting and integrated power design offer a better cutting effect and a lower noise level.



SG-5090 Cutting Chamber



SG-5090

Features:

- Rotating cutters adopt newly developed V type cutting technology which can send the feeding material into the center of rotating cutters so to prevent the material from adhering onto the inner side of the cutting chamber while enhancing its wearability.
- The cutters are made of imported high quality steel featuring wearability, high rigidity, long service life and reusable after sharpening.
- Simple cutter installation adjusting technology makes the rotating blades and fixed blades be adjusted within clamps outside machine, no longer needs to be adjusted from inside of machine as before.
- High rigidity material made cutting chamber after processing by CNC machine has the features like high intensity, super wearability, no contamination, long service life and easy for maintenance and repairing.
- Optimized structure and hermetic double insulated sound - proof layers keep noise level low.
- Sound - proof feeding box reduces the noise level in operation, also equips a safety material checking shade which ensures no material sprinkling during granulating.
- V type transmission belt connects the transmission shaft and its pulley which helps to maintain a balanced operation mode, close contact, and also easy to disassemble and repair.
- Feeding box is opened by electrical handspike with self - lock function ensures safely operation.
- Cyclone dust separator is available for choose and the height of the floor stand can be adjusted on different requirements.
- Cooling pipe at rear plate of cutting chamber can effectively cool down and prevent the inside material from melting up.
- For granulating thick or heavy material, extra fixed knives are available to increase the granulating capacity.
- For fibre-added material, increase SG-50 fibre-added model for choose, Adopt surface-hardening treatment on the material contacting components blade material is V-4E joint with S50C.



Option 1 Full-receiver Alarm Device



level motor

Full - receiver alarm device enables the machine to run without any man standby and save the material by avoiding regrind overflow due to no inspection. whenever the regrind reach the level motor position, the machine will be forced to stop and via its sensor to cut off circuit, thus stop the granulator and remind the user by alarm the buzzer. Applicable to SG23 / 30 / 36 / 50.

Option 2 Feed Hopper With Magnet



Feed hopper with magnet to take out metal craps and impurities in the material.

Applicable to SG23 / 30 / 36.

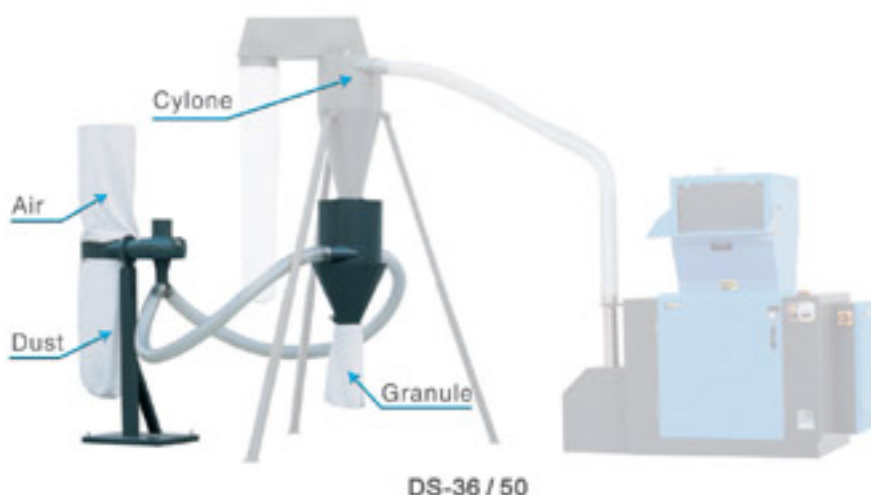
Option 4 Special Screens



Special screen mesh sizes $\Phi 4$, $\Phi 6$, $\Phi 10$, $\Phi 12$ (mm) for SG - 23 / 30 series, $\Phi 8$, $\Phi 12$, $\Phi 17$, $\Phi 25$ (mm) for SG - 36 series, $\Phi 8$, $\Phi 12$, $\Phi 14$ (mm) for SG - 50 series. User can select them from his own demand.

Option 3 Dust Separator

Work with cyclone dust separator to recycle the granule and separate it from dust.
Applicable to SG23 / 30 / 36 / 50.



Option 5 Flywheel



To increase its cutting capability by increasing the inertia. And can also maintain a even more balanced bearing force undertaken and has longer service life. It's a standard component for SG - 3660 but an optional one for SG - 3645.

Dust separating system, it can separate the dust from the regrind to make direct recycle use of the regrind. It will make the working environment more clean by collecting the dust in the dust bag. The evenness of dust can be adjusted via the adjusting valve to improve the material use efficiency.

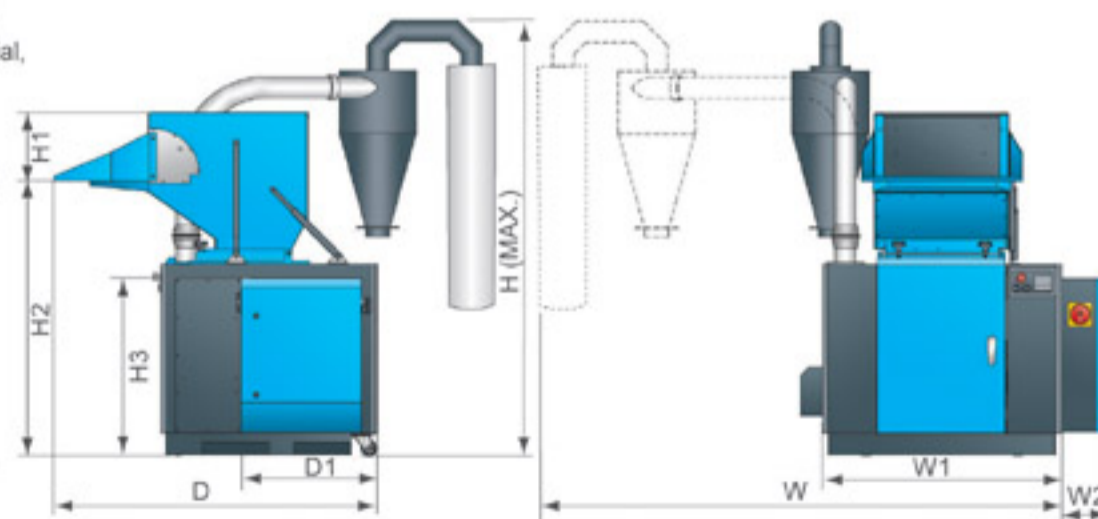
SG-23/30 Series Specifications

Model	SG-2324 (S)	SG-2336 (S)	SG-2348 (S)	SG-3048 (H)	SG-3048P (H)	SG-3060 (H)	SG-3060P (H)
Motor Power (kW, 50/60Hz)	5.5/6.3 (4/4.6)	7.5/8.6 (5.5/6.3)	11/12.6 (7.5/8.6)	11/12.6 (15/17.3)	11/12.6 (15/17.3)	15/17.3 (18.5/21.3)	15/17.3 (18.5/21.3)
Rotating Speed (r.p.m 50/60Hz)	415 / 500	415/500	415/500	415 / 500	415 / 500	415 / 500	415 / 500
Conveying Blower (kW, 50/60Hz)	0.55 / 0.66	0.55/0.66	0.55/0.66	0.55/0.66	0.55/0.66	0.55/0.66	0.55/0.66
Material of Blades	DC53	DC53	DC53	DC53	DC53	DC53	DC53
Blade Type	Staggered	Staggered	Staggered	Staggered	Paddle	Staggered	Paddle
Number of Fixed Blade	2	2	2	2	2	2	2
Number of Rotating Blade	3 × 2	3 × 3	3 × 4	3 × 4	3	3 × 5	3
Cutting Chamber (mm)	230 × 240	230 × 360	230 × 480	300 × 480	300 × 480	300 × 600	300 × 600
Max. Throughput Capacity (kg/hr) (50/60Hz)	90/105	120/140	150/180	185 / 220	185 / 220	220 / 260	220 / 260
Noise Level dB(A)	90~95	90~95	90~95	90~95	90~95	90~95	90~95
Regrind Conveyor	✓	✓	✓	✓	✓	✓	✓
Dia. of Screen Mesh (8mm)	✓	✓	✓	✓	✓	✓	✓
Full-receiver Alarm Device	○	○	○	○	○	○	○
Feed Hopper with Magnet	○	○	○	○	○	○	○
Dust Separator (DS-30)	○	○	○	○	○	○	○
Dia. of Screen Mesh(4, 6, 10, 12mm)	○	○	○	○	○	○	○
Dimensions							
H (mm)	1850	1850	1850	1850	1850	1850	1850
H1 (mm)	300	300	300	375	375	375	375
H2 (mm)	1150	1150	1150	1245	1245	1245	1245
H3 (mm)	895	895	895	975	975	975	975
W (mm)	1520	1680	1800	1830	1830	1950	1950
W1 (mm)	760	880	1000	1000	1000	1120	1120
W2 (mm)	190	190	190	190	190	190	190
D (mm)	1350	1350	1350	1510	1510	1510	1510
D1 (mm)	500	500	500	560	560	560	560
Net Weight (kg)	472 (467)	522 (517)	604 (584)	683 (711)	683 (711)	713 (741)	713 (741)

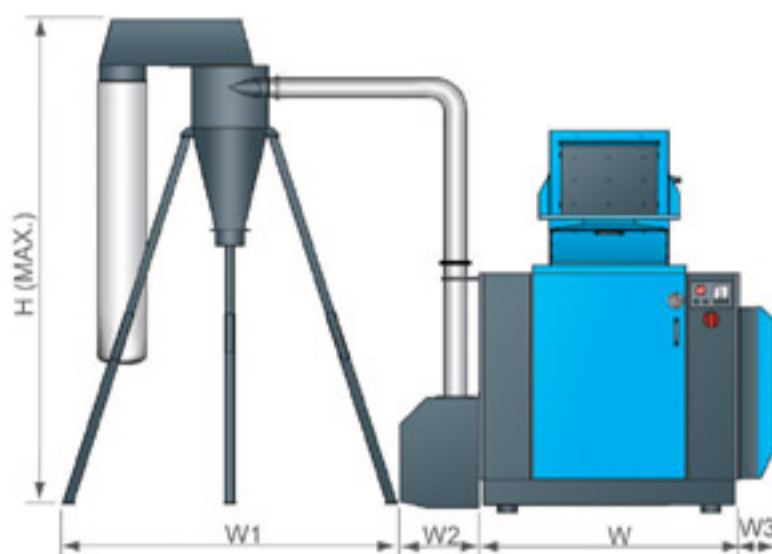
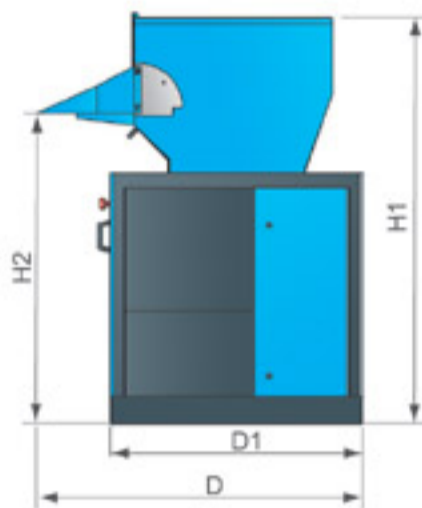
Note: 1) "✓" standard, "○" optional.

We reserve the right to change specifications without prior notice.

- "S" refers to smaller motor power. "H" refers to higher motor power. "P" refers to paddle blades.
- For SG - 30 used granulating fiber - added material, add "F" at model behind.
- Optional granulating speed: high rotating speed blade, only for staggered type, add "G" at model behind. Low rotating blade, only for staggered type, add "D" at model behind.
- Modified into stainless steel made feed hopper cover plate and storage tank. add "R" at model behind.
- Max. capacity of the machine is subject to diameter of screen mesh and composition of material.
- Noise level will vary with different materials and motor types.
- Option blade - adjusting shaft (For SG - 30 with paddle blades).
- Power supply: 3Φ, 230 / 400 / 460 / 575V, 50 / 60Hz.



SG-36 Series Outline Drawings



SG-36 Series Specifications

Model	SG-3645 (S)	SG-3660 (S)
Motor Power (kW, 50/60Hz)	15/17.3 (11/12.6)	22/24.5 (18.5/21.3)
Rotating Speed (r.p.m. 50/60Hz)	540/650	540/650
Conveying Blower (kW, 50/60Hz)	1.1/1.3	1.5/1.9
Material of Blades	DC53	DC53
Number of Fixed Blades	2	2
Number of Rotating Blades	3	3
Cutting Chamber (mm)	360 × 450	360 × 600
Max. Throughput Capacity (t/60Hz)	580/700	680/820
Noise Level dB(A)	90~95	90~95
Regrinds Conveyor	✓	✓
Dia. of Screen Hole (10 mm)	✓	✓
Flywheel	○	✓
Full-receiver Alarm Device	○	○
Feed hopper with magnet	○	○
Dust Separator (DS-36)	○	○
Dia. of Screen Mesh (8,12,17,25 mm)	○	○
Optional Conveying Blower (kW)	○ (1.5)	○ (2.2)
Modified Feed Chute for Conveyors	○	○
Dimensions		
H (mm)	3155	3155
H1 (mm)	1935	1935
H2 (mm)	1520	1520
W (mm)	1200	1355
W1 (mm)	2120	2120
W2 (mm)	370	370
W3 (mm)	190	190
D (mm)	1385	1385
D1 (mm)	1090	1090
Net weight (kg)	950 (925)	1618 (1603)

Note: 1) * ✓ * standard, * ○ * optional.

We reserve the right to change specifications without prior notice.

2) * S * refers to smaller motor power.

3) Modified into stainless steel made feed hopper cover plate and storage tank. Add * R * at model behind.

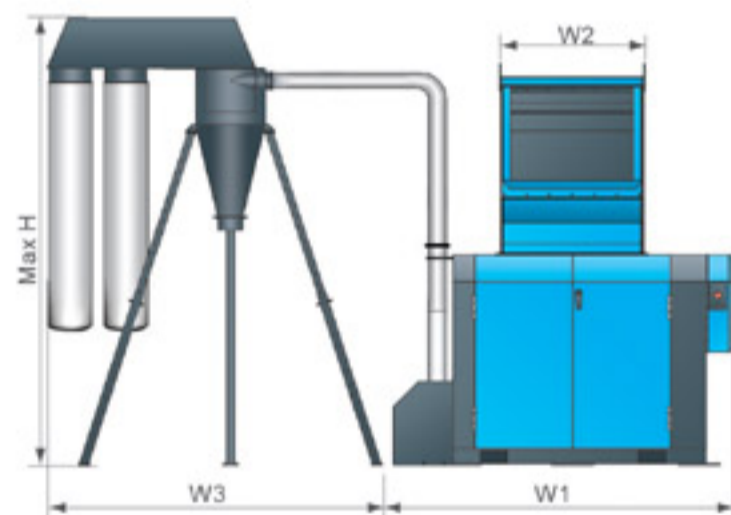
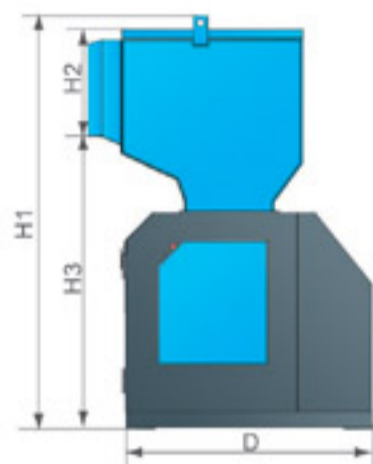
4) For granulating fiber - added material, plus * F * at model behind.

5) Max. capacity of the machine is subjected to diameter of screen mesh size and composition of material.

6) Noise level will vary with different materials and motor types.

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

SG-50 Series Outline Drawings



SG-50 Series Specifications

Model	SG-5060 (H)	SG-5090 (H)
Motor Power (kW, 50/60Hz)	37/41.5 (45/51)	45/51 (55/62)
Rotating Speed (r.p.m, 50/60Hz)	350/420	350/420
Conveying Blower (kW, 50/60Hz)	3/3.6	4/4.8
Loading Blower Power (kW, 50/60Hz)	0.75/0.83	0.75/0.83
Material of Blades	DC53	DC53
Number of Fixed Blades(optional)	2 (3)	2 (3)
Number of Rotating Blades	5	5
Cutting Chamber (mm)	600 × 500	900 × 500
Max. Throughput Capacity (kg/hr, 50/60Hz)	1000/1100	1800/2050
Noise Level dB(A)	110 ~ 115	110 ~ 115
Regrinds Conveyor	✓	✓
Cooling pipes	✓	✓
Dia. of Screen Hole (10 mm)	✓	✓
Flywheel	✓	✓
Full-receiver Alarm Device	○	○
Dust Separator (DS-36)	○	○
Dia. of Screen Mesh (8,12,14 mm)	○	○
Dimensions		
H (mm)	3153	3153
H1 (mm)	2850	2850
H2 (mm)	675	675
H3 (mm)	2115	2115
D (mm)	1725	1725
W1 (mm)	2300	2600
W2 (mm)	730	1030
W3 (mm)	2120	2120
Net Weight (kg)	3600 (3625)	3960 (3985)

Note: 1) " ✓ " standard, " ○ " optional.

We reserve the right to change specifications without prior notice.

2) " H " refers to higher motor power.

3) Modified into stainless steel made feed hopper cover plate and storage tank. Add " R " at model behind.

4) For granulating fiber - added material, plus " F " at model behind.

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

6) Noise level will vary with different materials and motor types.

7) Noise level refers to the following conditions: 1 meter around and 1.6 meter above the machine.

8) DC53 is a material code number of Japanese JIS standard.

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

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