

## Soundproof Central Granulators

*Ideally suited for beside the press or central operation in injection molding, extrusion, and blow molding plants.*

Comet's heavy-duty, soundproof SG-50 series central granulators are designed to use with injection, extrusion or blow molding machines. This series features a heavy-duty motor, easy operation, a compact design, and quick blade replacement. The cutting chamber, with an extremely large feed opening, offers scissor cutting blades and an integrated power design ensuring a superior cutting effect and lower noise levels. The SG-50 series has various models to meet a wide range of production applications.



### Standard Features

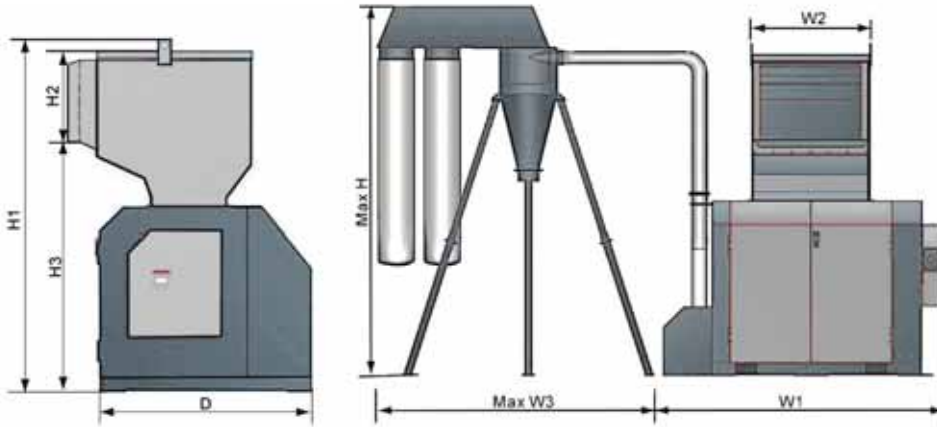
- High-tech, rotating V-shape cutters send material into the center of the cutter preventing material from adhering to the inside of the cutting chamber (see 1.1).
- High-quality steel blades ensure durability, stay rigid, and are reusable after sharpening.
- Rotating blades inside the clamps are equipped with a blade sharpening jig with adjustable, preset cutting technology on the outside of unit (see 1.2).
- The cutting chamber is constructed using heavy-duty, extremely durable, and contamination free material ensuring a long service life with minimal maintenance and repair.
- The unit's solid structure, with airtight double-soundproof layers, keeps noise levels minimal.
- A soundproof feed chute is equipped with a fly-back curtain to ensure no material flies back during granulation and also reduces noise levels during operation.
- A cooling pipe at the rear of the cutting chamber prevents material from melting.
- The feed chute opens with a self-lock electric rod ensuring safe operation.
- A V-type transmission belt connects the transmission spindle and pulley helping to maintain smooth operation, close contact, and simple disassembly and repair.
- Depending on your requirements, an adjustable cyclone dust separator is available with a floor stand.
- Extra fixed knives and balance are available for granulating thick or heavy material increasing granulating capacity.



1.1 SG-5090 Cutting Chamber



1.2 Preset Knife Jig



### Separate Conveying Blower

The blower is situated outside the unit. You can choose different types of blowers.

## Specifications

Model	SG-5060	SG-5090
Motor Power (kW, 50/60 Hz)	37/41.5	45/51
Conveying Blower (kW, 50/60 Hz)	3 / 3.6	4 / 4.8
Rotor Speed (RPM 50/60 Hz)	350 / 420	350 / 420
Blower Power (kW, 50/60 Hz)	0.25 / 0.3	0.25 / 0.3
Blade Material	SKD11	SKD11
Number of Fixed Blades (Optional)	2 (3)	2 (3)
Number of Rotating Blades	3 (5)	3 (5)
Cutting Chamber (mm)	600x 500	900 x 500
Max Output (kg/hr)	1000	1800
Noise Level dB(A)	110~115	110~115
Regrind Conveyor	✓	✓
Cooling Pipes	✓	✓
Dia. of Screen Hole (12 mm)	✓	✓
Flywheel	✓	✓
Full Receiver Alarm Device	○	○
Dust Separator (DS-36)	○	○
Dia. of Mesh (8, 10, 17, 25mm)	○	○
<b>Dimensions</b>		
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)	2400	2400
Weight (kg)	3600 (3625)	3960 (3985)

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

- Max. output of machine is subject to diameter of screen hole and composition of the material.
- Noise level may vary with different materials or motor types.
- To avoid plastic from adhering to the blade, material should be ground at normal temperature.
- Standard configuration is two rows with fixed blades and high cutting point model. Upon request, low cutting point model will be provided.
- Power supply: 3φ, 230/400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.



### Feeding Hopper for Conveyor

A material feeder for large granulators is usually conveyed from below. Comet has a specially designed belt

conveyor to easily move the material into the cutting chamber of SG-50 series.

### Material Side Feed Pipe

The design of the feeding hopper of traditional granulators is not suitable for longer pipes and profiles. Comet has designed a material side feed pipe for convenient feeding of longer scrap materials.

