

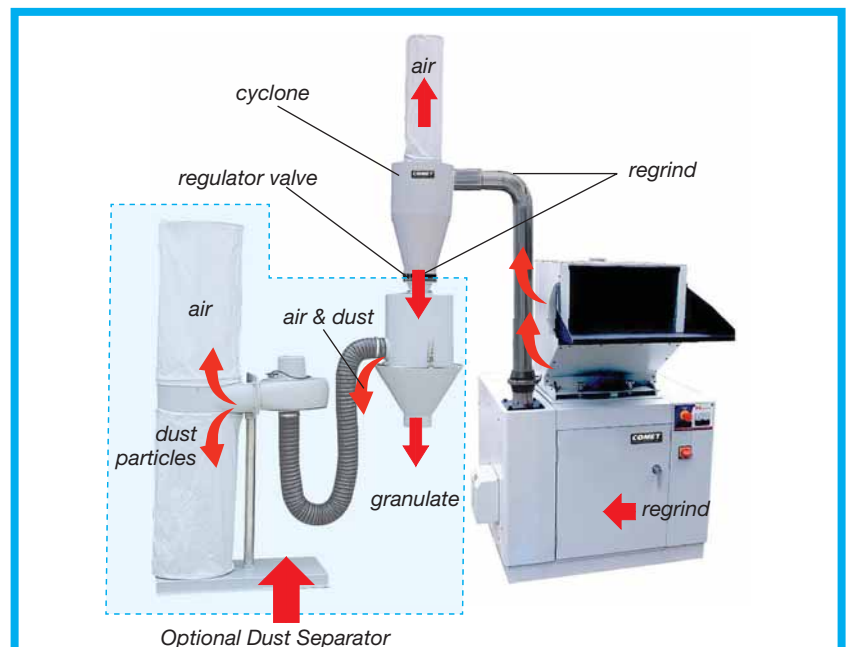
Soundproof Central Granulators

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

Comet's sturdy, compact SG-30 series medium size soundproof central granulators are designed to use with centralized granulation or beside the press operation with injection, extrusion or blow molding machines. The fully accessible tangential cutting chamber, with clamshell opening hopper and drop down screen chamber, allows for quick blade replacement. The staggered or paddle rotor design minimizes dust, noise levels and is less subject to wear when processing abrasive materials. The SG-30 series has various models to meet a wide range of production applications.

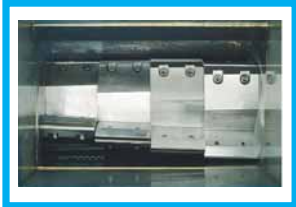
Standard Features

- Compact size with easy access to conveniently clean and maintain.
- High quality blades ensure durability.
- Staggered blade design reduces friction and lowers energy consumption.
- Paddle blades with a blade incline design ensure better cutting outcome while reducing noise.
- Blade retainer design ensures quick blade changing without re-adjustment.
- Material inlet chute with adjustable angle for easy material feeding from a conveyor belt.
- Soundproofing ensures low noise level.
- Equipped with electrical current relay, motor overload protector, main power disconnect, emergency stop button, and multiple safety features.
- Cyclone dust separator efficiently removes dust from regrind and eases material collecting.
- Dust collecting bag reduces contamination.
- Regrind conveying system, standard.
- Hardened cutting option for glass or fiber-filled materials.



Working Principle of Dust Separator (optional)

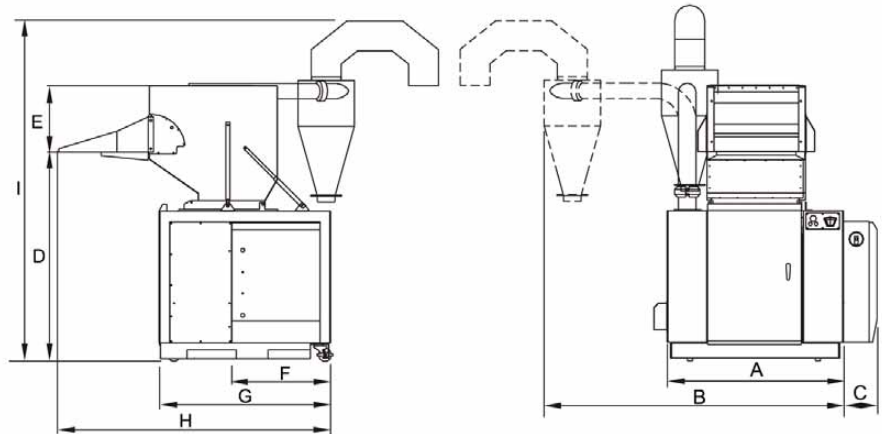
The dust separator is designed to work with the cyclone for separating dust from regrind. When the regrind blows into the cyclone, the gravitational force causes the material to drop into the dust separator. The blower in the center of the dust separator sucks the dust into the collecting bag. The regulator valve controls the size of the dust particles being sucked up and down so the regrind material coming out from the dust separator is the desired size.



Staggered Blades



Paddle Blades



Specifications

Model	SG-3048 (H)	SG-3048P (H)	SG-3060 (H)	SG-3060P
Motor Power (kW, 50/60 Hz)	11/13.2 (15/18)	11/13.2 (15/18)	15/18 (18.5/22.2)	15/18 (18.5/22.2)
Conveying Blower (kW, 50/60 Hz)	0.55 / 0.66	0.55 / 0.66	0.55 / 0.66	0.55 / 0.66
Rotor Speed (RPM 50/60 Hz)	415 / 500	415 / 500	415 / 500	415 / 500
Type of Blade	Staggered	Paddle	Staggered	Paddle
Number of Fixed Blades	2	2	2	2
Number of Rotating Blades	3 x 4	3	3 x 5	3
Cutting Chamber (mm)	300 x 480	300 x 480	300 x 600	300 x 600
Throughput Capacity (kg/hr) (50/60 Hz)	185 / 220	185 / 220	330 / 260	330 / 260
Noise Level dB(A)	90~95	90~95	90~95	90~95
Blade Material (DC53)	✓	✓	✓	✓
Regrind Conveying System	✓	✓	✓	✓
Dia. of Screen Hole (5/16")	✓	✓	✓	✓
Dia. of Screen Hole (3/16", 1/4", 7/16", 1/2")	○	○	○	○
Dust Separator (DS-30)	○	○	○	○
Magnetically Charged Hood	○	○	○	○
Level Detector	○	○	○	○
Dimensions				
A (mm)	1000	1000	1120	1120
B (mm)	1700	1700	1820	1820
C (mm)	190	190	190	190
D (mm)	1245	1245	1245	1245
E (mm)	375	375	375	375
F (mm)	560	560	560	560
G (mm)	975	975	975	975
H (mm)	1510	1510	1510	1510
I (mm)	1850	1850	1850	1850
Weight (kg)	560 (585)	560 (585)	590 (640)	590 (640)

- Note:**
1. "✓" standard, "○" optional.
 2. "H" refers to higher motor power. "P" refers to paddle blades
 3. Max. capacity of the machine is subject to diameter of screen hole and composition of the material.
 4. Noise level may vary with different materials motor types.
 5. Power supply: 3φ, 230/400/460/575V, 50/60Hz.

We reserve the right to change specifications without prior notice.

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