

Low Speed Granulator

Designed for grinding sprues, runners and rejected parts beside the press.

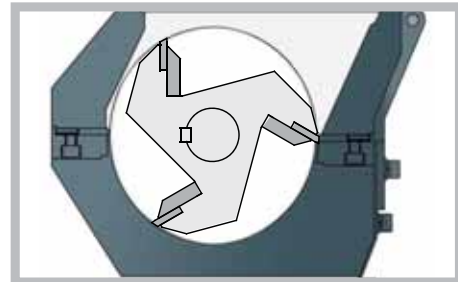
Comet's sturdy CG-16N/20N series low speed granulators are particularly versatile and can be tailored to suit a wide range of applications. In addition to low noise and nearly dust-free product, the CG-16N/20N uses new type staggered blades and unfixed blades that can keep a fixed cutting clearance without adjustment after re-sharpening.

Standard Features

- Low speed granulating and rotating blades with a sharp angle design ensure consistent granule size, low dust levels and even, continuous operation.
- Optimal design reduces vibration during operation.
- Newly designed staggered blades and unfixed blades keep a fixed cutting clearance without adjustment after re-sharpening.
- CG-20N uses paddle blades and an integrated design to achieve better cutting performance and maximum cutting efficiency.
- CG-20N series granulator is equipped with a preset knife jig to enable rotating blade adjustment outside the machine.
- Material collector is located outside the cutting chamber to avoid leakage and reduce contamination.
- The optimal cutting angle makes resistance low and avoids blockage to improve cutting efficiency.
- Low speed granulating ensures proportional granules and low dust levels.
- Low speed, sound-proof material hopper ensures low noise levels.
- Compact size with easy access to conveniently clean and maintain.
- Ruggedly constructed casters for portability.
- Built-in magnet installed at the inlet of the feeding chamber keeps metal impurities from being recycled.



CG-1628N



Structural Drawing of Staggered Blades



Staggered Blades



CG-20N Paddle Blades

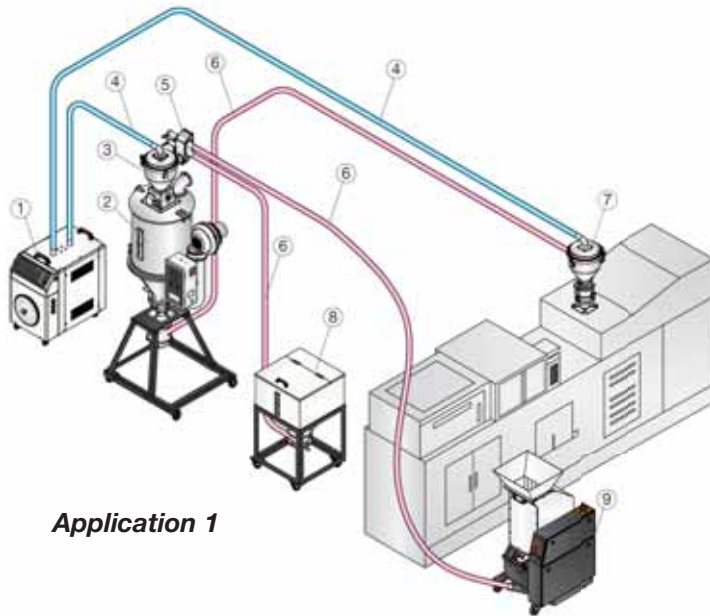


Preset Knife Jig

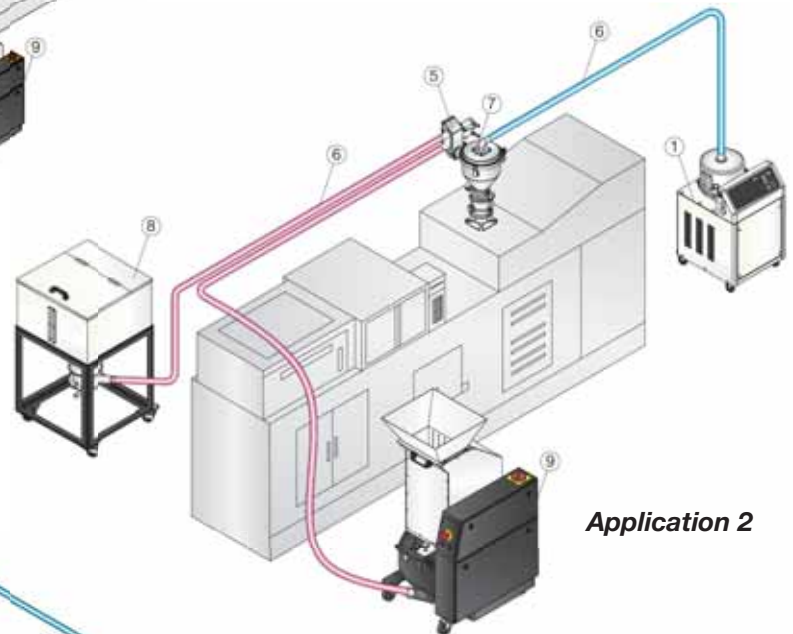
CG-16N/20N

Application

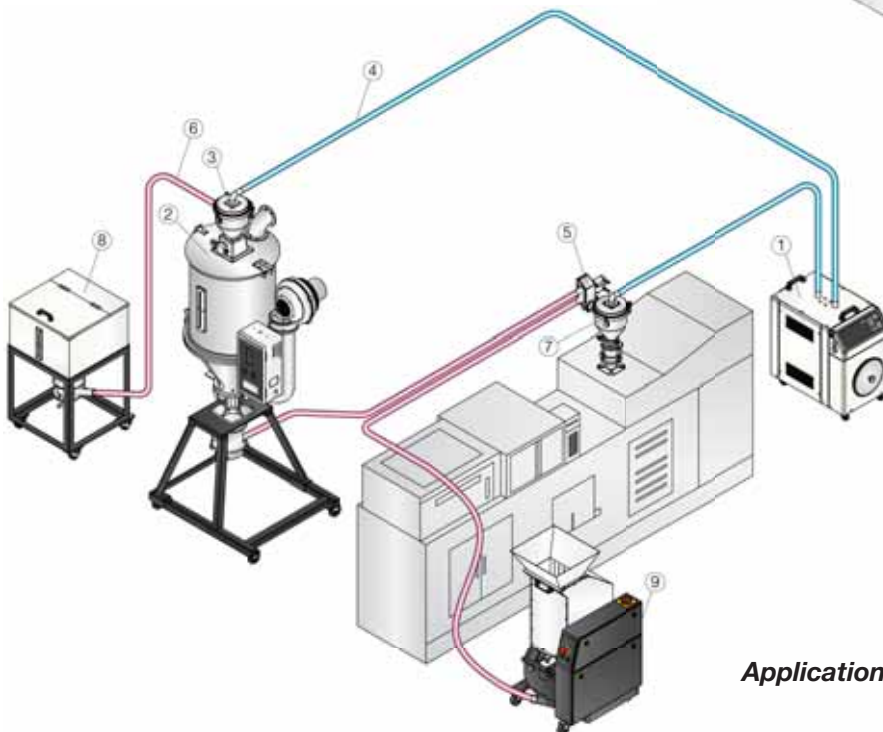
1. Hopper loader
2. Dryer
3. Vacuum hopper
4. Vacuum pipe
5. Proportioning valve
6. Material pipe
7. Photosensor hopper
8. Material tank
9. Low speed granulator



Application 1



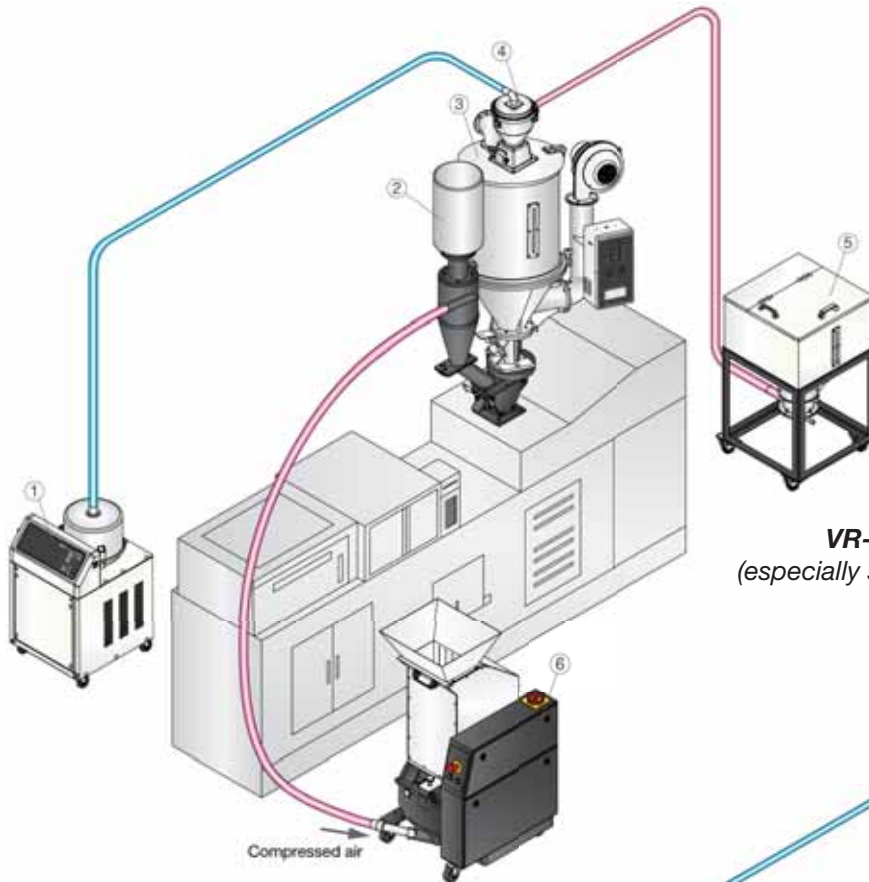
Application 2



Application 3

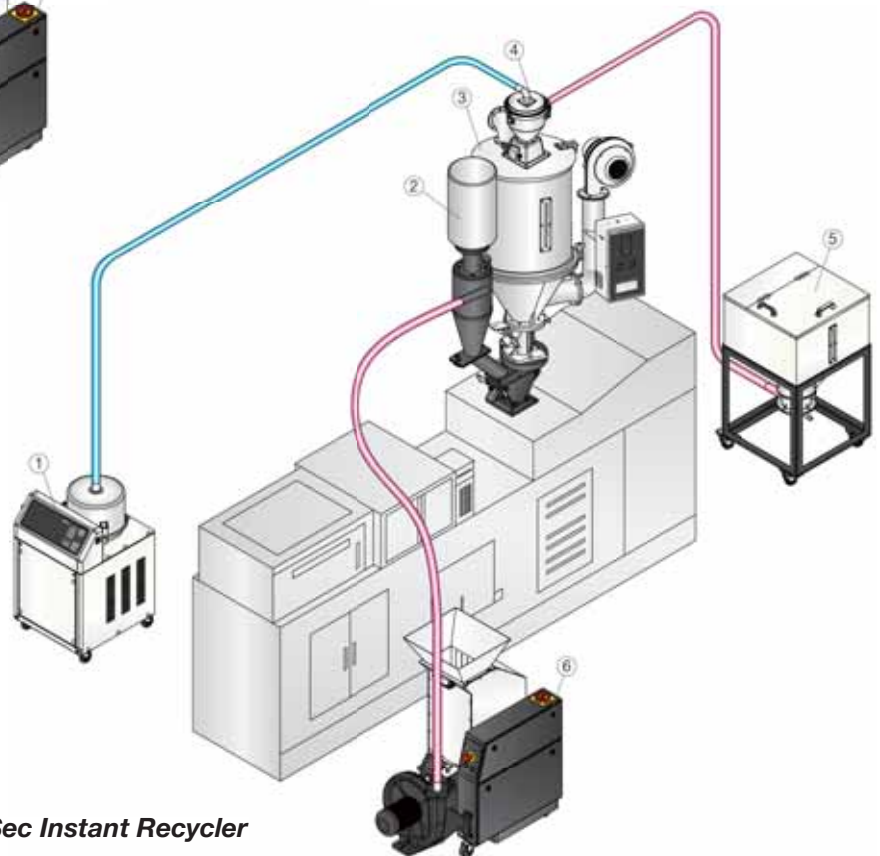
Optional Accessories

30-Sec. Instant Recycler System: regrind conveyor via a blower and cyclone, dust separator, grinder extension storage tank, full-hopper alarm device, straight hopper, special and double-layer screens.



1. Hopper loader
2. 30-Sec instant recycler
3. Vacuum dryer
4. Vacuum hopper
5. Material tank
6. Low speed granulator

VR-Type 30-Sec Instant Recycler
(especially suited for white or transparent material)



BR-Type 30-Sec Instant Recycler

Optional Accessories



Level Motor

Full Receiver Alarm Switch: Use for unmanned operation without material waste. Whenever the regrind level reaches the motor position, the granulator is forced to stop via a sensor cutoff and warns the user by sounding an alarm.



Regrind Conveying Via Blower and Cyclone (BC Type): This device uses a loading blower to convey regrind into the cyclone dust collector separating the regrind from the air. The regrind then falls into storage hopper.



Dust Separator (DS Type): Separates regrind dust for immediate recycling. The dust is kept in filter bag keeping the work environment clean. This device ensures full use of regrind and avoids material waste, thus saving money.



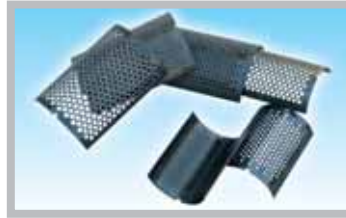
Straight Hopper (CG-20N blade series): Designed for grinding pipes and runners.

CG-16N/20N



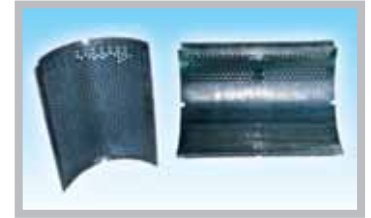
CPV-U Proportioning Valve:

Proportioning valves mix regrind with new materials in a proper proportion, then send them back to the molding machine. It features easy installation and exceptional accuracy. (For more details, refer to the CPV-U brochure.)

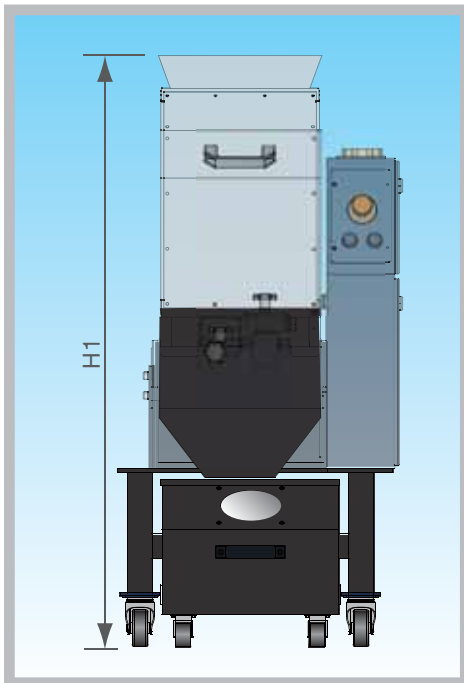


Special Screen: Special screen mesh sizes for the CG-16N include: Ø4, Ø6, Ø8, Ø10, Ø12 (mm),

Special screen mesh sizes for the CG-20N include: Ø4, Ø8, Ø10, Ø12 (mm). All can be selected to meet your requirements.

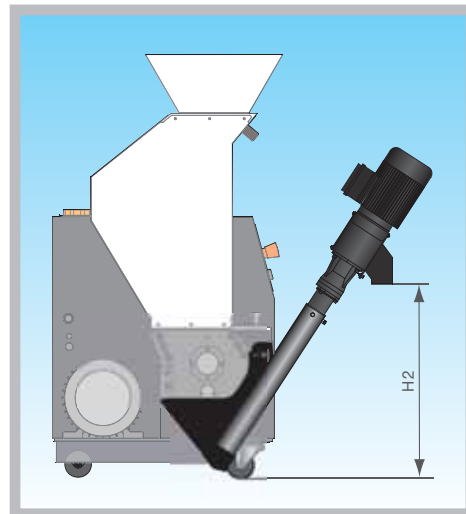


Double Layer Screen: Designed for long, thin materials.



Height Increaser Storage Bin:

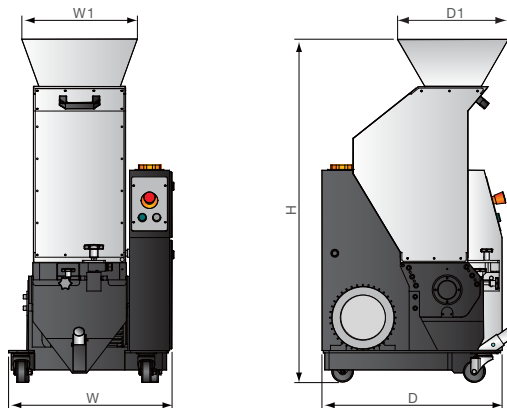
Helps collect and store regrind.



Coiled Spring Conveyor: makes it easier to collect regrind from the discharge port without detaching the collection box from the granulator.

For Granulating Fiber-Added

Material: Utilizes a surface hardening treatment on material touching components. CG-20N fiber-added model uses V-4E blade.



Specifications

Model	CG-1621N	CG-1628N	CG-1635N(H)	CG-2028N(H)	CG-2028NC(H)	CG-2042N(H)	CG-2042NC(H)
Motor Power (kW, 50/60 Hz)	1.5	2.2	2.2 (3.0)	2.2 (3.0)	2.2 (3.0)	3.0 (4.0)	3.0 (4.0)
Rotor Speed (RPM 50/60 Hz)	230	235	235 (240)	290	290	290	290
Blade Material	SKD11	SKD11	SKD11	SKD11	SKD11	SKD11	SKD11
Blade Type	Staggered	Staggered	Staggered	Paddle	Staggered	Paddle	Staggered
Number of Fixed Blades	2 x 1	2 x 1	2 x 2	2	2	2	2
Number of Rotating Blades	9	12	15	3	12	3	18
Presetting Knife Jig	—	—	—	✓	—	✓	—
Cutting Chamber (mm)	160 x 210	160 x 280	160 x 350	200 x 280	200 x 280	200 x 420	200 x 420
Throughput Capacity (kg/hr) (50/60 Hz)	35	50	60 (80)	80	80	135	135
Noise Level dB(A)	85 ~ 90	85 ~ 90	85 ~ 90	85 ~ 90	85 ~ 90	85 ~ 90	85 ~ 90
Dia. of Mesh Screen (mm)	✓ (Ø5)	✓ (Ø5)	✓ (Ø5)	✓ (Ø6)	✓ (Ø6)	✓ (Ø6)	✓ (Ø6)
30-Sec Instant Recycling	○	○	○	○	○	○	○
Regrind Conveyor (BC Type)	○	○	○	○	○	○	○
Dust Separator (w/ instant recycling)	○	○	○	○	○	○	○
Level Detector	○	○	○	○	○	○	○
Straight Feed Hopper	—	—	—	○	—	○	—
Proportioning Valve	○	○	○	○	○	○	○
Special Screens	○	○	○	○	○	○	○
Height Increaser Storage Bin	○	○	○	○	○	○	○
Double Layer Screen	○	○	○	○	○	○	○
Coiled Spring Conveyor (ea)	○	○	○	○	○	○	○
Dimensions							
H (mm)	1200	1200	1200	1270	1270	1270	1270
H1 (mm)	1400	1400	1400	1450	1450	1450	1450
H2 (mm)	550	550	550	550	550	550	550
W (mm)	505	575	645	575	575	715	715
W1 (mm)	330	400	470	405	405	545	545
D (mm)	630	630	630	695	695	695	695
D1 (mm)	385	385	385	435	435	435	435
Weight (kg)	175	195/185	210/225	265/280	280/295	300/315	320/335

- Note:**
1. "✓" standard, "○" optional.
 2. "H" = higher motor power, "C" = staggered blades.
 3. Max. capacity of machine is subject to dia. of the screen hole and composition of the material. The listed max. output is tested with PET preforms.
 4. Noise levels may vary with different materials and motor types.
 5. To avoid plastic from sticking to blades, all material should be crushed at normal temperature
 5. Power supply: 3Ø, 400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

