

Screenless Low Speed Granulator

Designed for grinding sprues, runners and rejected parts.

Comet's screenless CG-14 & 24 series low speed, soundproof granulators are user friendly and are ideal for use beside the press to grind sprues, runners, and rejected parts to produce consistent, high quality regrind material. Safe and easy to operate, each granulator includes a staggered blade design and a tilt-back hopper. In addition to reducing dust, the screenless, low-speed granulators feature a versatile design which allows for robot, conveyor, or hand-fed operations. These features not only increase usability, but also help increase performance. Available in 460V or 230V.

Standard Features

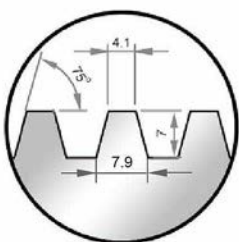
- Screenless low speed granulating and rotating blades, with a sharp angle design, ensure consistent granule size, low dust levels, and even, continuous operation.
- Transparent PC feeding tilt back hopper.
- The trapezoid staggered blade provides more cuts per revolution resulting in higher outputs and consistent particle size.
- Heavy duty gear motor and top feeding enables robot, conveyor, or hand-fed applications.
- High quality safety mechanisms and low noise ensure excellent performance and safety.
- CG-14/24 series features integrated teeth-cutters and cutting blade design. Cutting blades break large spurs into smaller pieces while teeth-cutters bite the material into the desired size with less dust making it ready to be re-used for virgin material.
- CG-24T has two sets of gear motors and cutting chambers working simultaneously to provide reliable performance and high torque.
- CG-14/24T/24N series motor and rotor shafts are connected by a shaft coupling to ensure convenient motor replacement.
- If a motor blockage occurs, the machine will visibly alarm and enable the motor to auto-reverse (will return to normal operation automatically after the trouble is cleared).



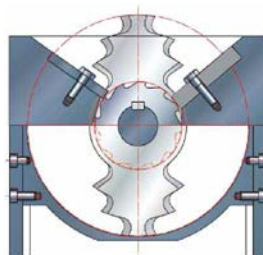
CG-2427N



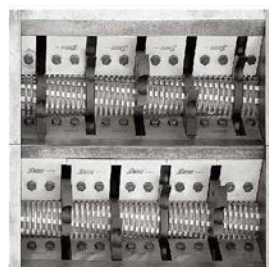
CG-2446T



**Staggered
Teeth Cutter**

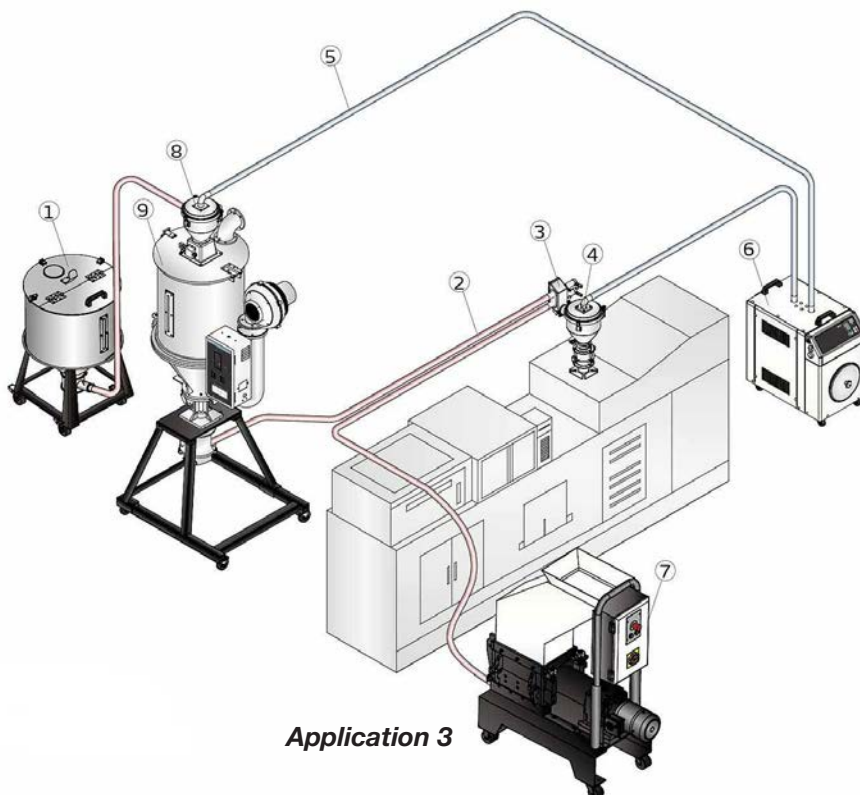
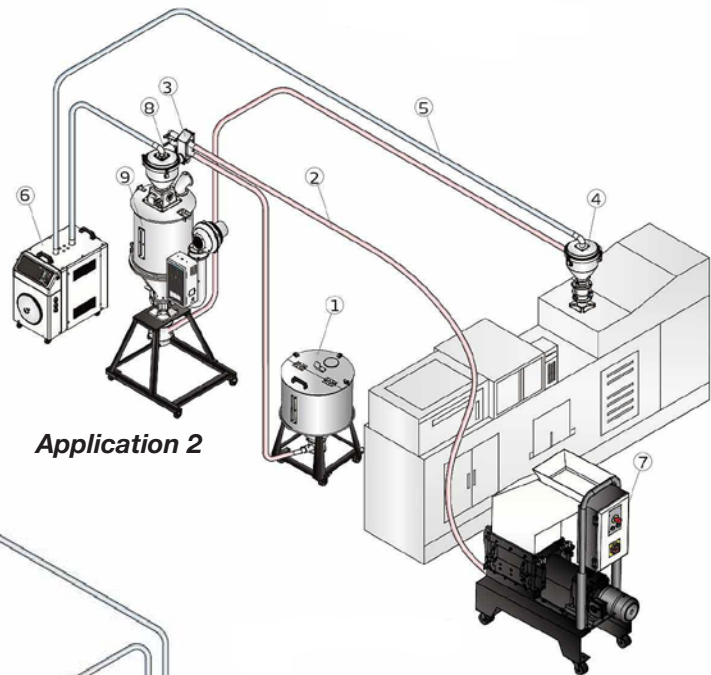
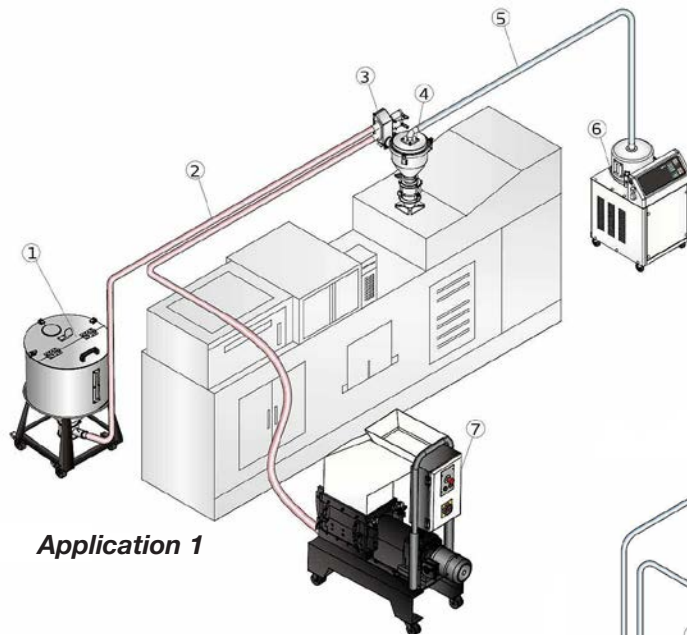


**Trapezoid Teeth
Cutter**



Double Teeth Cutter

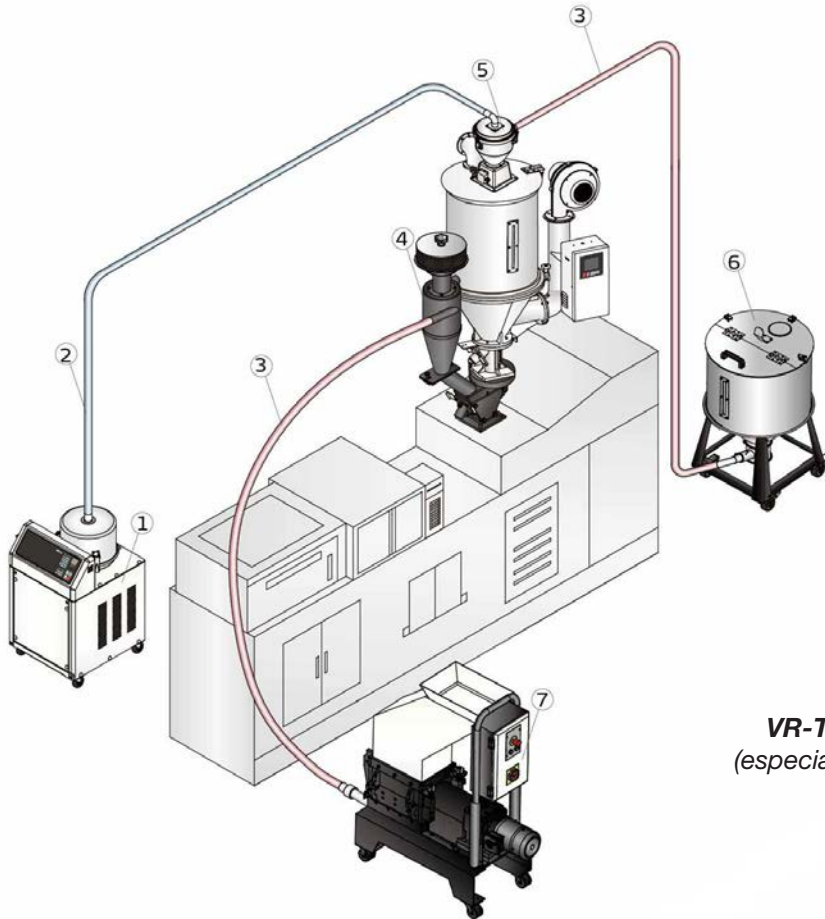
Applications



1. Material storage hopper
2. Material line
3. Proportioning valve
4. Photosensor hopper receiver
5. Vacuum line
6. Main vacuum unit
7. Screenless granulator
8. Vacuum hopper receiver
9. Hopper dryer

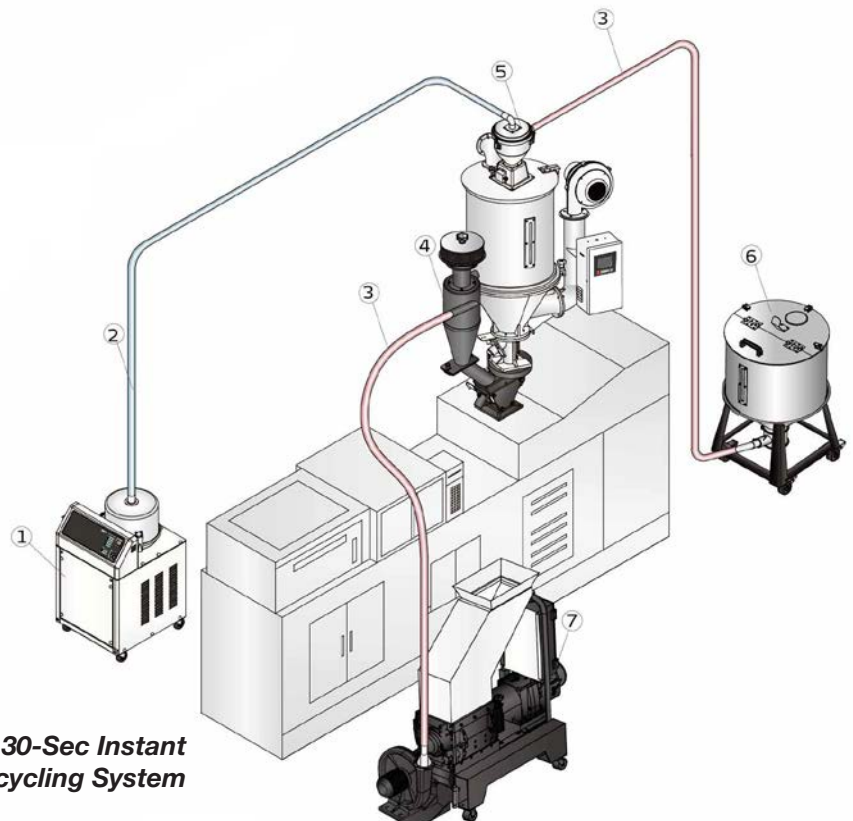
Optional Accessories

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



1. Main vacuum line
2. Vacuum line
3. Material line
4. 30-Sec instant recycling system
5. Vacuum hopper receiver
6. Material hopper
7. Screenless granulator

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



**BR-Type 30-Sec Instant
Recycling System**

Optional Accessories

Regrind Conveying via Blower & Cyclone (BC-Type) (Applicable for CG-24N & CG-24T)



The Regrind Conveyor uses a conveying blower to convey regrind into the cyclone dust collector to separate the regrind from the air. The regrind then falls into the storage hopper or cloth bag.

Dust Separator (DS-Type) (Applicable for CG-24N & CG-24T)



The Dust Separator separates regrind dust for immediate recycling. The dust is kept in the filter bag to keep a clean working environment. This device will save you money by ensuring full use of your regrind.

CPV-U Proportioning Valve



Comet's CPV-U proportioning valve mixes regrind with virgin in a pre-selected ratio and sends it back to the IMM. It features easy installation and accuracy.

Manual Collection Bin (Applicable for CG-24T)



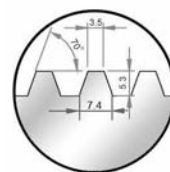
Use for collecting and storing regrind.

Full-Receiver Alarm Device

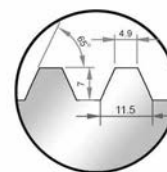
This device can assist unmanned operation to stop the granulator and warn the user via an audible alarm whenever the regrind level reaches the motor position.



Full-Receiver Alarm Device

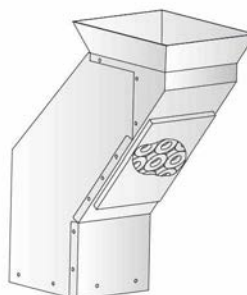


Narrow

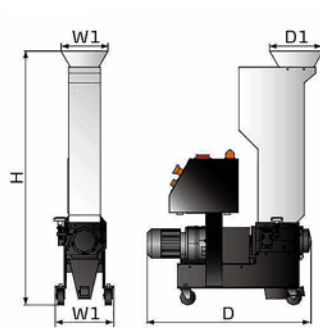


Dilated

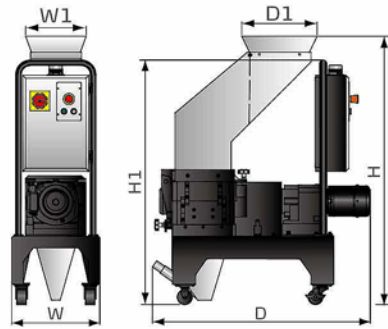
Feed Port Magnet



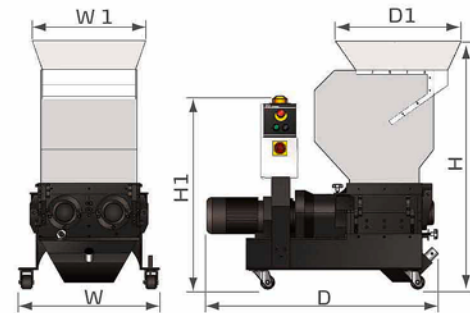
The Feed Port Magnet can help to absorb metal impurities from the material at the feed port.



CG-14



CG-24N



CG-24T

Specifications

Model		CG-1411	CG-1417	CG-2417N	CG-2427N	CG-2436N	CG-2446N	CG-2436T	CG-2446T
Motor Power (kW, 50/60Hz)		0.37/0.45	0.37/0.45	0.75/0.86	0.75/0.86	1.5/1.75	2.2/2.57	2.2x2/2.55x2	
Rotating Speed (rpm, 50/60Hz)		26/32	26/32	27/33	27/33	27/33	27/33	27/33	27/33
Material of Teeth Cutter		SKD11	SKD11	SKD11	SKD11	SKD11	SKD11	SKD11	SKD11
Quantity of Staggered Cutter		1	2	1	2	3	4	7	9
Quantity of Teeth Cutter		2	3	2	3	4	5	/	/
Quantity of Large Teeth Cutter		/	/	/	/	/	/	7	9
Quantity of Small Teeth Cutter		/	/	/	/	/	/	2	2
Cutting Chamber	mm	140 x 110	140 x 175	240 x 175	240 x 270	240 x 365	240 x 460	505 x 365	505 x 460
	inch	5.5 x 4.3	5.5 x 6.9	9.4 x 6.9	9.4 x 10.6	9.4 x 14.4	9.4 x 18.1	19.9x14.4	19.9x18.1
Max. Output Capacity (kg/hr, 50/60Hz)		2	3	3.5	6/6.5	8.5/9	11/11.6	20	25
Noise Level dB(A)		60~68	60~68	80~85	80~85	80~85	80~85	80~85	80~85
Dimension	H	mm	1080	1080	1370	1370	1400	1410	1360
		inch	42.5	42.5	53.9	53.9	55.1	55.5	53.5
	H1	mm	/	/	1248	1248	1248	1060	1060
		inch	/	/	49.1	49.1	49.1	41.7	41.7
	W	mm	290	290	425	425	425	773	773
		inch	11.4	11.4	16.7	16.7	16.7	30.4	30.4
	W1	mm	235	235	308	308	308	620	620
		inch	9.3	9.3	12.1	12.1	12.1	24.4	24.4
	D	mm	740	785	977	1112	1253	1410	1269
		inch	29.1	30.9	38.5	43.8	49.3	55.5	50
		mm	210	266	289	385	475	546	688
									785

- Notes:**
1. Max. capacity of machine is subject to size & composition of the material.
 2. Noise levels vary with different materials and motor types.
 3. SKD11 is steel grade.
 4. Teeth cutter width is 3mm (4mm is optional for CG-14N/24T).
 5. Trapezoid teeth cutter is standard. Narrow, dilated is optional (CG-14N/24T).

We reserve the right to change without prior notice.