



Screenless Granulator SG-L

SG-L27

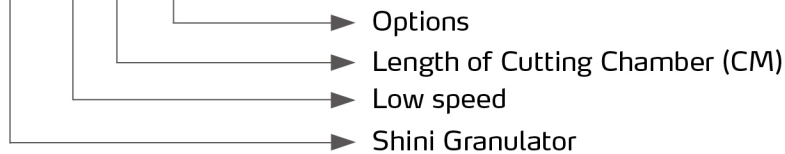


Refer carefully to this manual before operation.

SG-L Series

Coding Principle

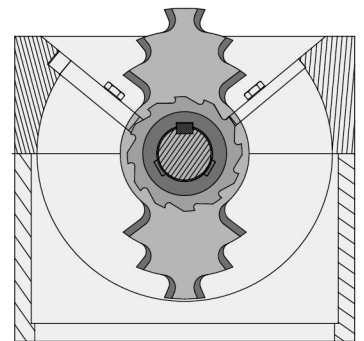
SG - L xx - x



Cutting chamber

Features

- Integrated microcomputer can monitor the granulator working, with timer running, phase sequence detection and current detection functions.
- The machine can be set to run at intervals according to the actual demands, saving up to 50% energy.
- Adopt brand gear motor that features stable performance, long service life and large torque.
- It features integrated teeth cutters and a staggered blade design that makes coarse crushing and fine crushing simultaneously. The screenless cutter bites the material into the desired size with less dust and stands ready to be used with virgin material.
- New-type inclined teeth cutter and fixed cutter reduces the possibility of stress concentration to improve the endurance and change the force direction, significantly improving edge chipping resistance.
- The front and rear fixed cutter and staggered blade are in double-edged design, and the cutter or blade can be capsized if one side is blunt to double their service life.
- The non-slip handle design, with leveling castors at the machine bottom enables seamless switching between mobile and stationary modes. To move the machine, rotate the upper foot pad to lower the castors on the ground for easy movement. To secure the machine, rotate the lower foot pad to lift the castors off the ground for deadlock, thus avoiding shaking.
- Feed box with visual window, and double-layer sound proof are made of stainless steel.
- Gear motor is connected with the main shaft with the coupling, making it easy to replace cutters and gear motor.



Teeth cutter diagram

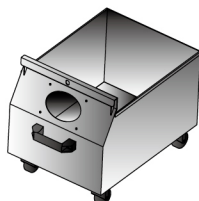
Application

SG-L Screenless Granulator is applicable to granulating hard long or strong flexible sprues for instant recycling and a few rejects. It features small size, low speed and wear, and super silence, with low speed structure, and particle granules of little dust. Quick and easy cleaning method to clean residues from the cutting chamber in just a few simple steps. Simple control mode and operability is user-friendly that makes it easy to operate. Besides, multiple options are available to meet different production processes and specific demands.

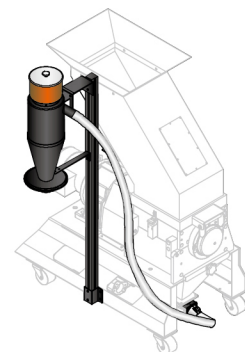
Options

- Manual collection bin
- Regrind Conveying Via Blower & Cyclone (PC type)

The manual collection bin is convenient for regrind recycling and storing.



This device utilizes loading blower to convey regrind into the cyclone dust collector to separate the regrind from the air and then the regrind will fall into the material storage hopper.



- **Multi-function Control Box**

The granulator can be controlled through the integrated microcomputer, and it has an alarm and reverse running functions when the microcomputer detects an obstruction in the blade shaft. With proportional valve control function, the continuous mode or intermittent mode of the blade shaft can be selected as per the demand, and add "MFB" at the end of the model code. Besides, optional functions of PC/PR/VR are available, and add "MFB-PR" at the end of the model code.



- The discharge port cover is available for the feed box. When the machine doesn't work, cover the discharge port can reduce the material contamination caused by dust or other sundries dropped into the cutting chamber after machine shutdown, and add "DPC" at the end of the model code.



- On the basis of standard cutter 5mm, cutter 4mm or 6mm is provided for option.

- **Food & Medical Grade**

When processing food/medical grade regrinds, all material contacted surfaces are made of stainless steel to prevent material contamination, and add "FG" at the end of the model code.

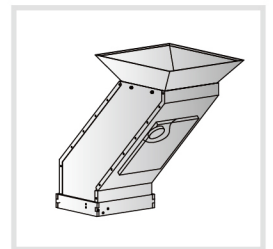
- **Auto Pneumatic Feeding Inlet**

When the equipment is used in demanding environments, such as food/medical-grade granulating or clean-room production, the inlet is closed automatically once the material is fed through the inlet, thus preventing dust and foreign material from entering or spreading out of the hopper during the process, and add "FPD" at the end of the model code.

- **Magnet Feed Box**

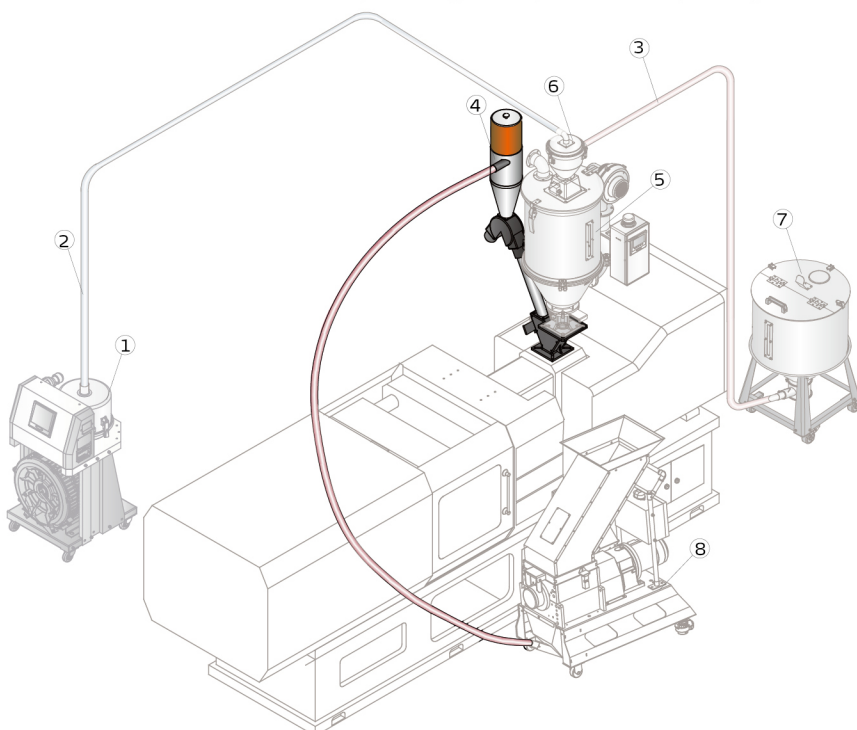
Feed hopper with magnet is used to take out metal scraps and impurities in the material.

Add "FHM" at the end of the model code.



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

The 30-sec. instant recycling system utilizes the high-pressure blower to blow the regrinds in the material storage tank to the proportional mixer and reuse the regrinds after mixing, so that the sprues will not have physical properties and color changes due to oxidation and humidification, thus improving the products quality.

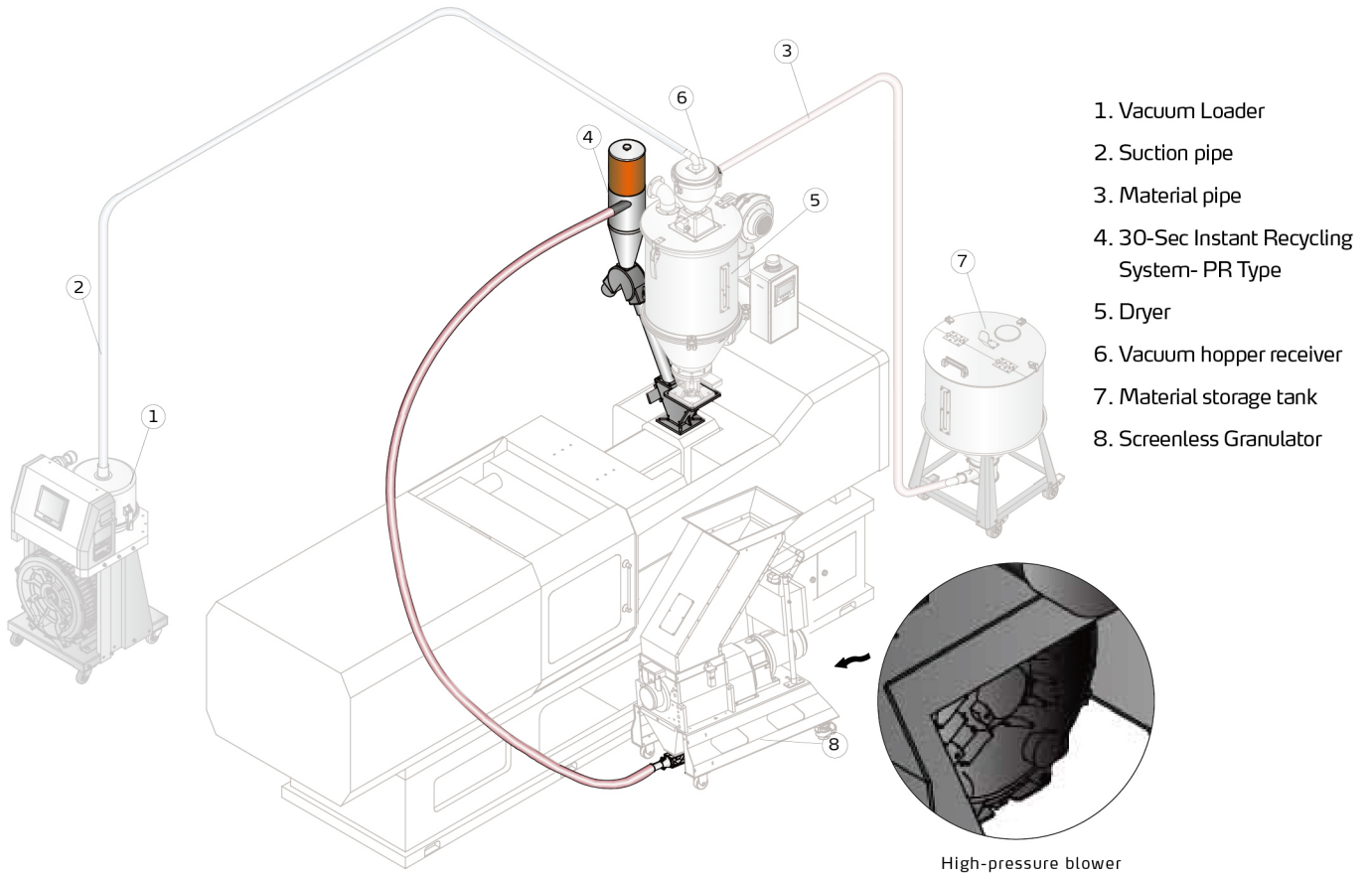


1. Vacuum Loader
2. Suction pipe
3. Material pipe
4. 30-Sec Instant Recycling System- VR Type
5. Dryer
6. Vacuum hopper receiver
7. Material storage tank
8. Screenless Granulator

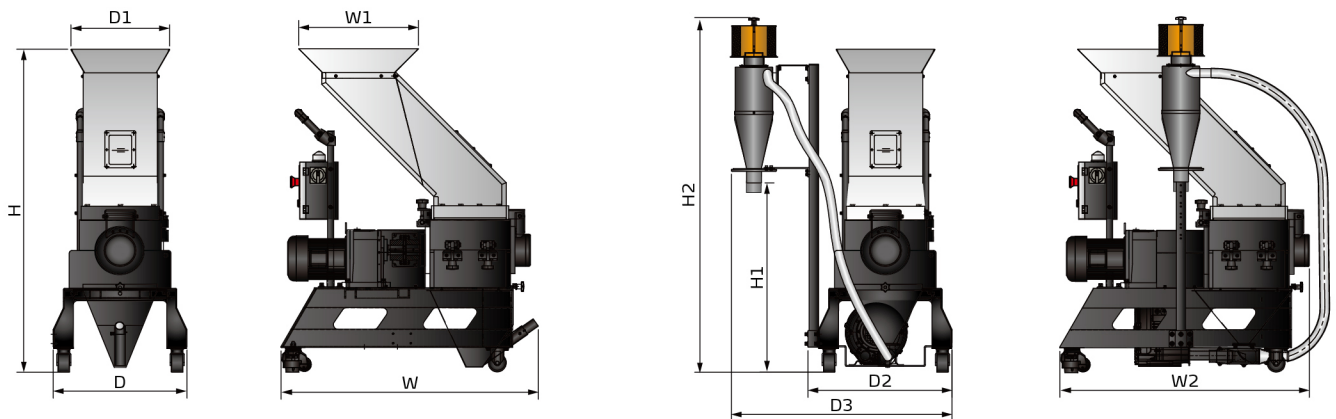
SG-L Series

● 30-Sec Instant Recycling System- PR Type

The 30-sec. instant recycling system utilizes the high-pressure blower to blow the regrinds in the material storage tank to the proportional mixer and reuse the regrinds after mixing, so that the sprues will not have physical properties and color changes due to oxidation and humidification, thus improving the products quality.



■ Outline Drawings



Optional PC Type

Specifications

Model		SG-L25	SG-L32	SG-L43
Motor Power (kW, 50/60Hz)		1.1	1.5	2.2
Rotating Speed (rpm, 50/60Hz)		27	27	27
Capacity of optional storage tank (L)		28	39	48
Material of Teeth Cutters		Cr12MoV	Cr12MoV	Cr12MoV
Number of Staggered Blades		2	2	3
Number of Teeth Cutters		3	3	4
Cutting Chamber (mm)		240 x 250	300 x 320	300 x 430
Max. Throughput Capacity (kg/hr)		10	16	20
Noise Level dB(A)		80~85	80~85	80~85
Motor Power (KW)		0.55	0.55	0.55
Dimensions	H (mm)	1340	1355	1355
	H1(mm)	530~800	530~800	530~800
	H2(mm)	1340~1500	1355~1500	1355~1500
	W (mm)	960	1076	1188
	W1 (mm)	485	503	607
	W2(mm)	930	1040	1151
	D (mm)	516	566	566
	D1(mm)	363	412	408
	D2(mm)	560	610	610
	D3(mm)	890	940	940
	Weight(kg)	190	240	345

- Note: 1) "*"Stand for Option
 2) Max. Capacity of the machine is subject to the size and composition of the material.
 3) Noise level varies according to different granules.
 4) To avoid plastic from sticking to the blades, all materials should be crushed at normal temperature.
 5) Power supply: 3Φ, 230/400/460/575VAC, 50/60Hz.

Shini Group

Addr: No. 23, Minhe St., Shulin Dist.,
New Taipei, Taiwan

Tel: +886 2 2680 9119

Fax: +886 2 2680 9229

Email: shini@shini.com

Factories:

- Taiwan
- Dongguan
- Pinghu
- Ningbo
- Chongqing
- Pune

2026-07-15-04 Copyrights Reserved.

www.shini.com