



Medium Speed Granulator

SG-M23

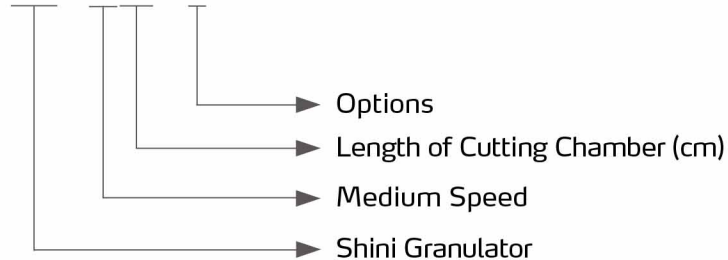


Refer carefully to this manual before operation.

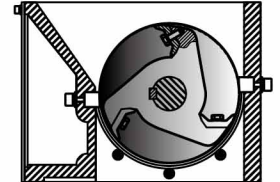
SG-M Series

■ Coding Principle

SG - Mxx - x



Cutting chamber



Teeth cutter diagram

■ Features

- Integrated microcomputer can monitor the granulator operation, featuring timer control, phase sequence and current detection functions.
- Adopt brand gear box with stable performance, long service life, and large torque.
- The gearbox directly drives the blade shaft for granulation, thus saving time for belt tension adjustment and maintenance.
- Staggered blades adopt V-type cutting technology, which pushes the feeding material into the center of the cutting rotor to prevent the material from adhering to the inner side of the cutting chamber while enhancing its durability.
- Unique staggered shape with double edge design allows the cutters to be mounted directly without clearance adjustment and maintain a fixed cutting curve and clearance after wear, which can significantly reduce the downtime for cutter disassembly and assembly.
- The staggered blade can be capsized if one side is blunt, and the fixed blade can be reshaped after being reused four times, thus enhancing the cutter's durability.
- Optimal design can effectively reduce vibration during the operation of the granulator.
- The easy-push handle design, with castors at the machine bottom and small footprint for convenient movement.
- The feed box adopts visual window and double-layer sound proof, and its inside is made of stainless steel.

■ Application

SG-M Medium Speed Granulator is applicable to instant or tiny amounts of granulating of hard and long or solid and flexible sprues. It features a small size, low speed, wear resistance, and ultra silence. The low-speed structure produces an even regrind size and less dust than the previous design. Just a few quick and simple steps to clean residues from the unit.

Simple control and user-friendly make it easy to use. Besides, multiple options are available to meet different production processes and specific demands.

Options

● Special Screen



Special screen mesh sizes: $\Phi 5$, $\Phi 8$, $\Phi 10$, $\Phi 12$.

The user can choose the option according to their demands.

Add "SS + screen diameter" at the end of the model code, e.g.: $\Phi 8$ mm, add "SS08".

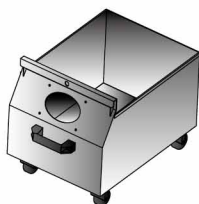
● Slant Hole Screen



Especially for the filtering of long strips, the slant hole screen $\Phi 5$ mm and $\Phi 6$ mm are optional to meet the demands of some customers. The user can choose the option according to their demands. Add "SS+ screen hole dia. + S" at the end of the model code, such as add "SS05S" for screen $\Phi 5$.

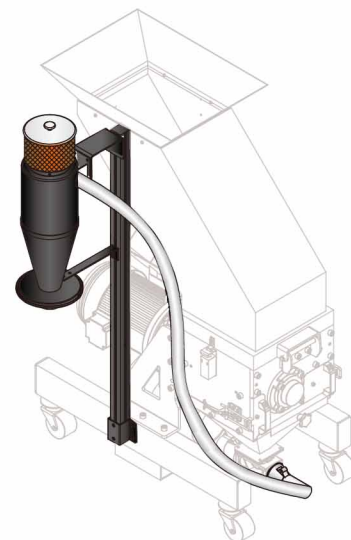
● Manual Collection Bin

Manual collection bin helps to collect and store regrind. Add "CB" at the end of the model code.



● Regrind Conveying Via Blower & Cyclone (PC type)

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

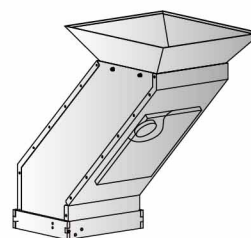
The granulator can be controlled through the integrated microcomputer, and it has an alarm and reverse running functions when the microcomputer detects an obstruction in the blade shaft. With proportional valve control function, the continuous mode or intermittent mode of the blade shaft can be selected 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.



● Magnet Feed Box

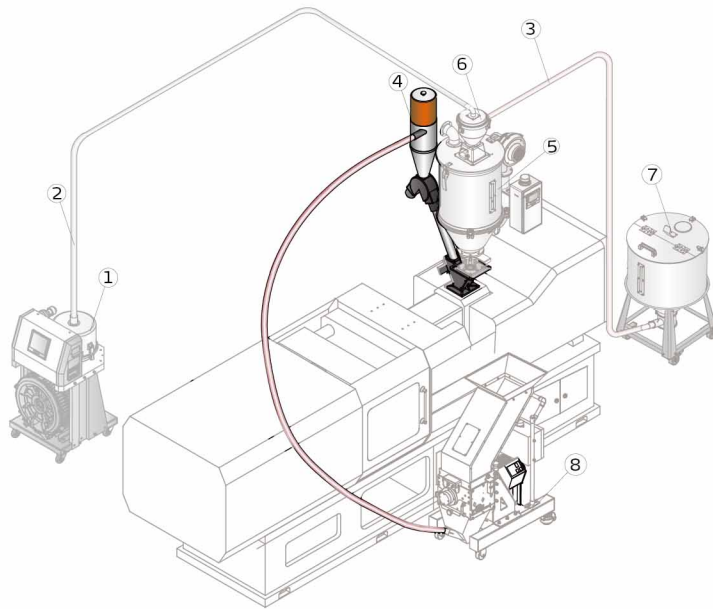
Feed hopper with magnet is used to take out metal craps and impurities in the material.

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



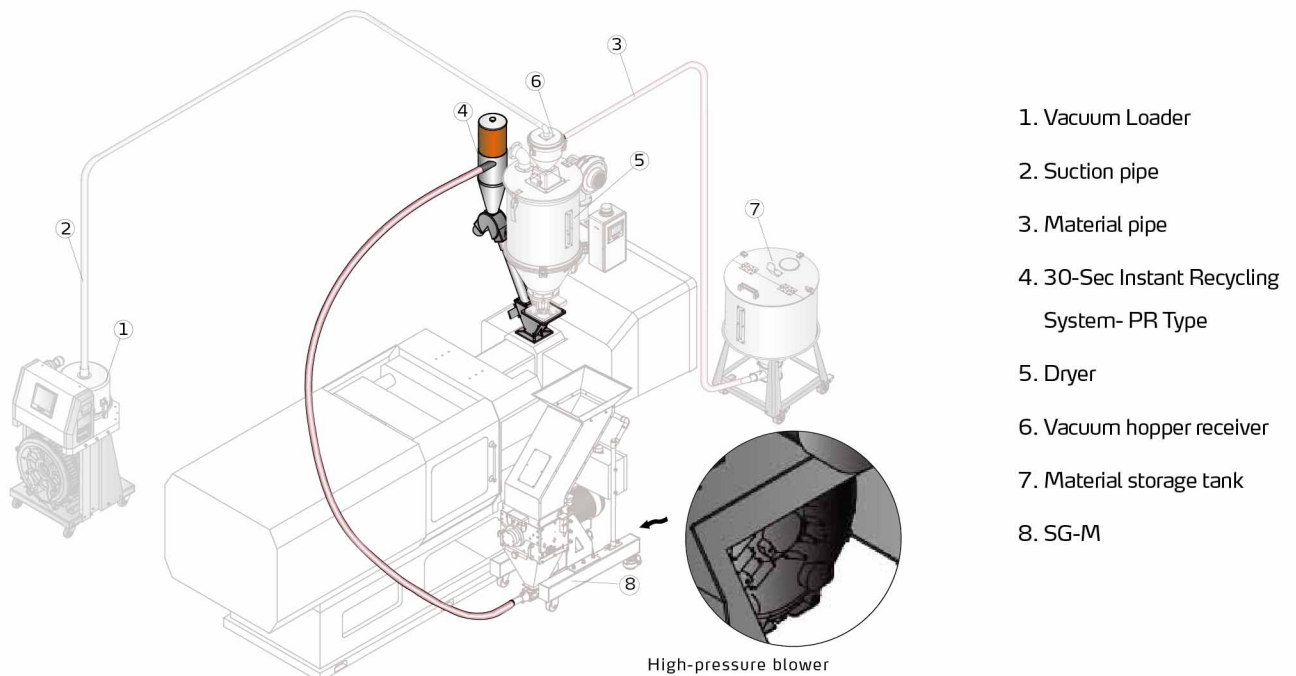
● 30-Sec Instant Recycling System- VR Type

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.

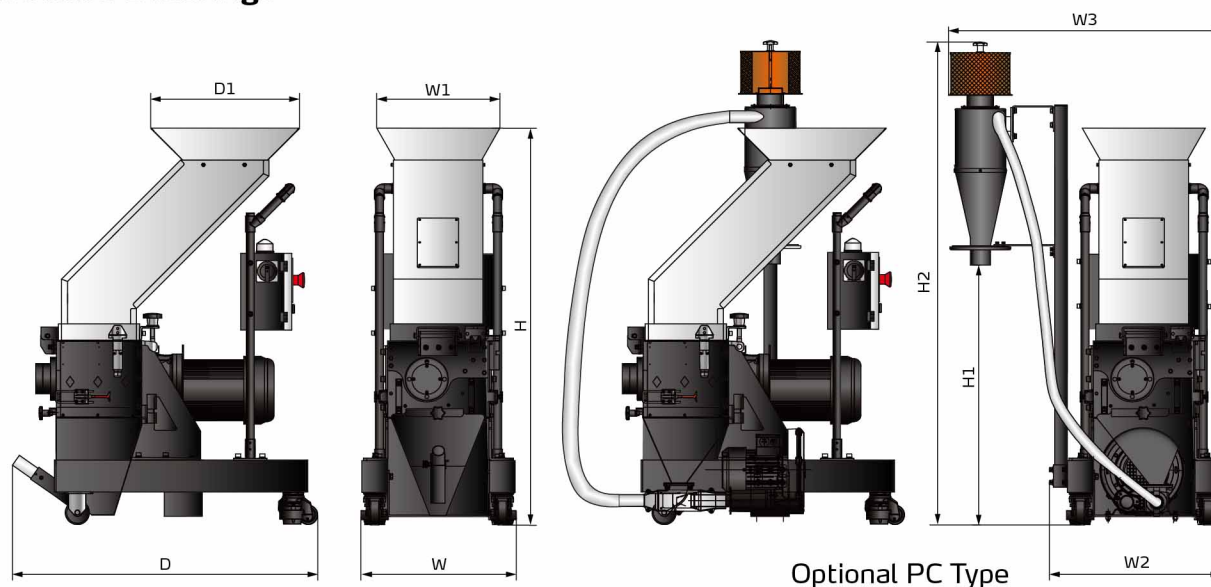


● 30-Sec Instant Recycling System- PR Type

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



■ Specifications

Model		SG-M23	SG-M29	SG-M43
Motor Power (kW, 50/60Hz)		2.2/2.57	2.2/2.57	3.7/4.3
Rotating Speed (rpm, 50/60Hz)		150/180	150/180	150/180
Material of Teeth Cutters		Cr12MoV	Cr12MoV	Cr12MoV
Number of Fixed Blades		2×1	2×1	2×1
Number of Rotating Blades		3×8	3×10	3×15
Cutting Chamber (mm)		270 x 230	270 x 290	270 x 430
Max. Throughput Capacity (kg/hr)		30	40	60
Dia. of Screen Mesh (mm)		φ 6	φ 6	φ 6
Noise Level dB(A)		85-90	85-90	85-90
Dimensions	H (mm)	1245	1245	1315
	H1(mm)	570-840	570-840	570-840
	H2(mm)	1270-1540	1270-1540	1315-1540
	W(mm)	485	485	485
	W1(mm)	388	388	388
	W2(mm)	540	540	540
	W3(mm)	856	856	856
	D(mm)	960	1020	1160
	D1(mm)	465	524	663
Weight(kg)		180	210	280

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

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