



"Standard" Series SG-E

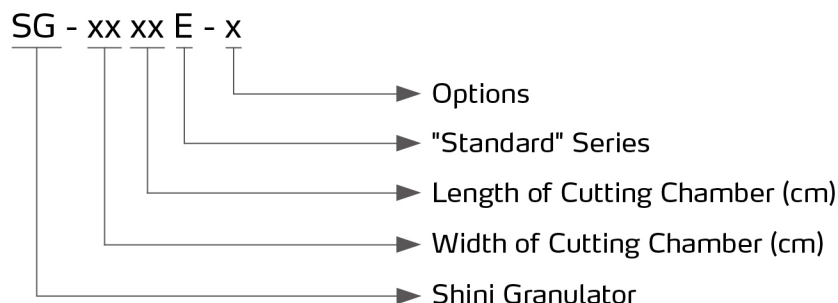
SG-70120E



Refer carefully to this manual before operation.

SG-E Series

■ Coding Principle



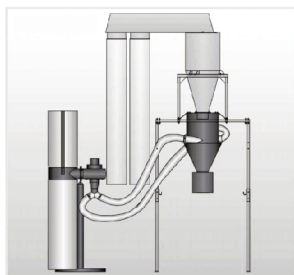
■ Features

- Rotating cutters adopt V-type cutting technology which can send the feeding material into the center of rotating cutters so to prevent the material from adhering onto the inner side of the cutting chamber while enhancing its wearability.
- The cutters are made of high quality steel featuring wearability, high rigidity, long service life and reusable after re-sharpening.
- Cutting chamber made of high rigidity material, after processing by CNC machine, has the features like high intensity, super wearability, no contamination, long service life and easy for maintenance and repairing.
- The safety plastic curtain at the feed box inlet keeps the materials inside the machine when granulating.
- V-type transmission belts help maintain a balanced operation mode, close contact, and also easy to disassemble and repair.
- The feed box and screen bracket is driven by hydraulic device.
- The presetting knife jig, which enables to reshape of the blades and installation without too much cost and time.
- Standard equipped with smart energy-saving control system that can save up to 20%~40% of energy consumption compared with similar machines on the market under the same work condition. The system monitors the load of granulator, and automatically adjusts the input current and voltage precisely, enabling the motor to work at the best energy efficiency. The built-in soft start function can effectively reduce the motor starting current, lower the temperature rise, and prolong the motor service life.



Smart energy-saving control system

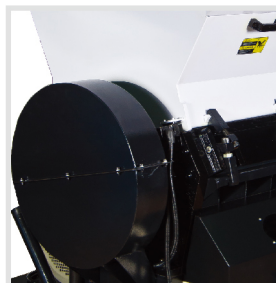
■ Options



Dust-separating system

Optional dust-separating system to remove the dusts in the material, and add "DS" at the end of the model code.

- Optional Separated blower



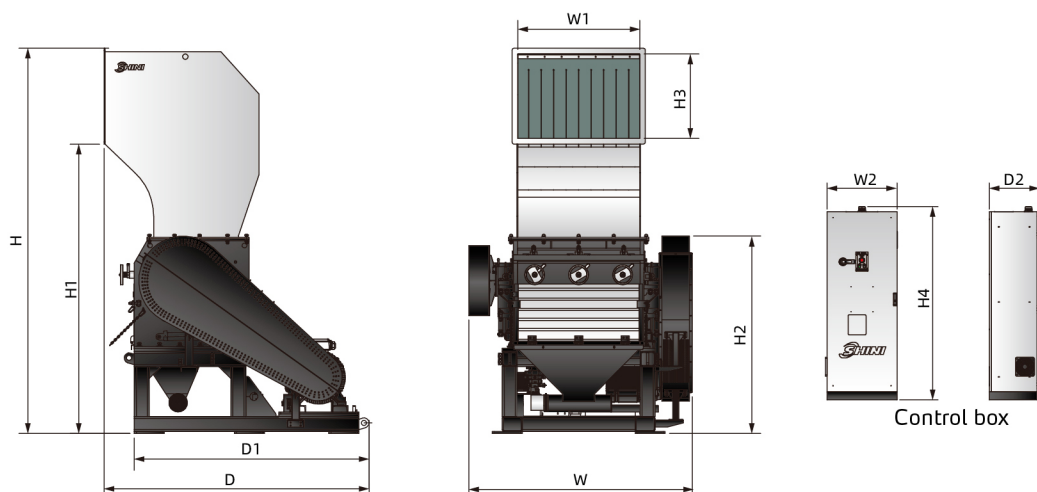
Flywheel

Increase inertia, thereby increasing the cutting ability. At the same time can result in a more balanced force and longer service life. Add "FW" at the end of the model code.

■ Application

SG-E series granulators are applicable to granulate various kinds of plastic materials from injection molding, blow molding or extrusion molding.

■ Outline Drawings



■ Outline Drawings

Model SG-	70100E(HE)	70120E(HE)	70150E(HE)	90160E(HE)	90200E(HE)
Motor Power (kW)	75(90)	90(110)	110(132)	160(200)	200(250)
Rotating Speed (rpm)	413	413	413	413	413
Conveying Blower (kW)	7.5	7.5	7.5	11	11
Hydraulic device Power(kW)	1.5	1.5	1.5	1.5	1.5
Material of Blades	Q235B&D2	Q235B&D2	Q235B&D2	Q235B&D2	Q235B&D2
Quantity of Fixed Blades	2x2(3x2)	2x2(3x2)	2x2(3x2)	2x2(3x2)	2x4(3x4)
Quantity of Rotating Blades	3x2(5x2)	3x2(5x2)	3x2(5x2)	5x2(7x2)	5x4(7x4)
Cutting Chamber(mm)	700x1000	700x1200	700x1500	900x1600	900x2000
Screen Dia. (mm)	Φ12	Φ12	Φ12	Φ14	Φ14
Max.output (kg/hr)	1200	1500	2000	3500	4000
Noise Level dB(A)	120	120	120	120	120
Dimensions	H	3855	3855	3855	4480
	H1	2900	2900	2900	3180
	H2	1980	1980	1980	1995
	H3	845	845	845	1187
	D	2655	2655	2655	3266
	D1	2350	2350	2350	2995
	W	2040	2240	2540	2759
	W1	1020	1220	1520	1594
Control box (W×H×D)(mm)		700x505x1935			

Notes: 1) Max. capacity of the machine is subject to diameter of screen mesh and composition of the material.

2) Noise level varies with different materials and motor types.

3) Noise level is tested under conditions of 1m around the machine and 1.6m from the ground.

4) To avoid plastic from sticking to the blades, all materials should be crushed at normal temperature.

5) Power supply : 3Φ, 230/400/460, 50/60Hz.

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