

**FORMAX**®

HERE BEGINS YOUR ULTIMATE VALUE

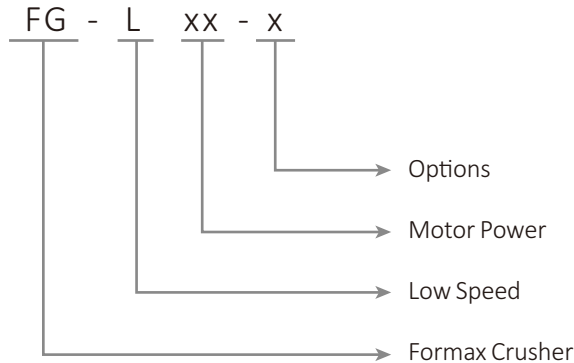
**FG-L** Series  
Low Speed Crusher

FG-L20PR



Please read the brochure carefully before operation.

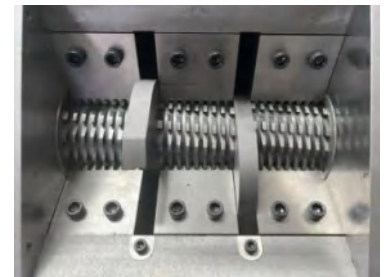
### ■ Coding Principle



FG-L20

### ■ Features

- Adopt brand gear motor that features stable performance, long service life and large torque.
- Beveled teeth cutter which reduced possibility of stress concentration, and increase bearing capacity.
- Break large spurs into smaller pieces, and teeth cutter bites the materials into the desired size with less dust and ready to be reused with virgin materials.
- The front and rear fixed blade and staggered blade are in double-edged design, and the cutter or blade can be capsized if one side is blunt to service life.
- Screenless crusher, even particle granules with tittle dust content.
- Compact design, small footprint for fast cleaning and maintenance.
- 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.



Cutting Chamber

### ■ Cutter & Controller



Fixed Blade



Roating Blade



Staggered Blade



Standard Controller



CE Controller



PR&VR  
Energy-Save Controller

### ■ Application

FG-L Low Speed Crusher 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

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

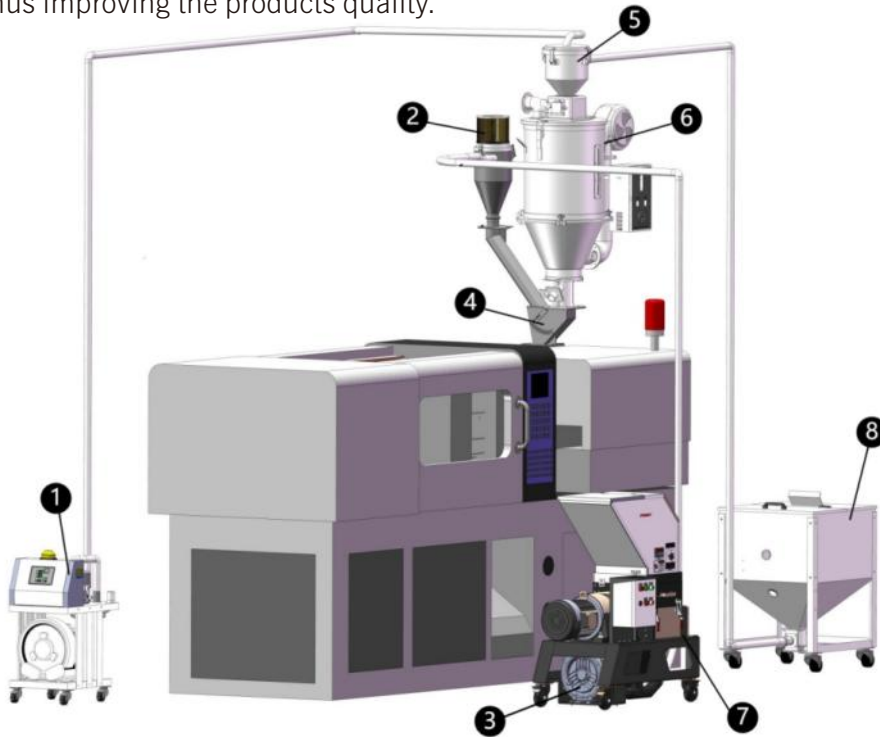
- Proportional distributor + Cyclone

Equipped with recycling, through the high pressure blower or venturi generator, the regrind is delivered into cyclone then dropped into distributor.



- PR Type - Instant Recycling System

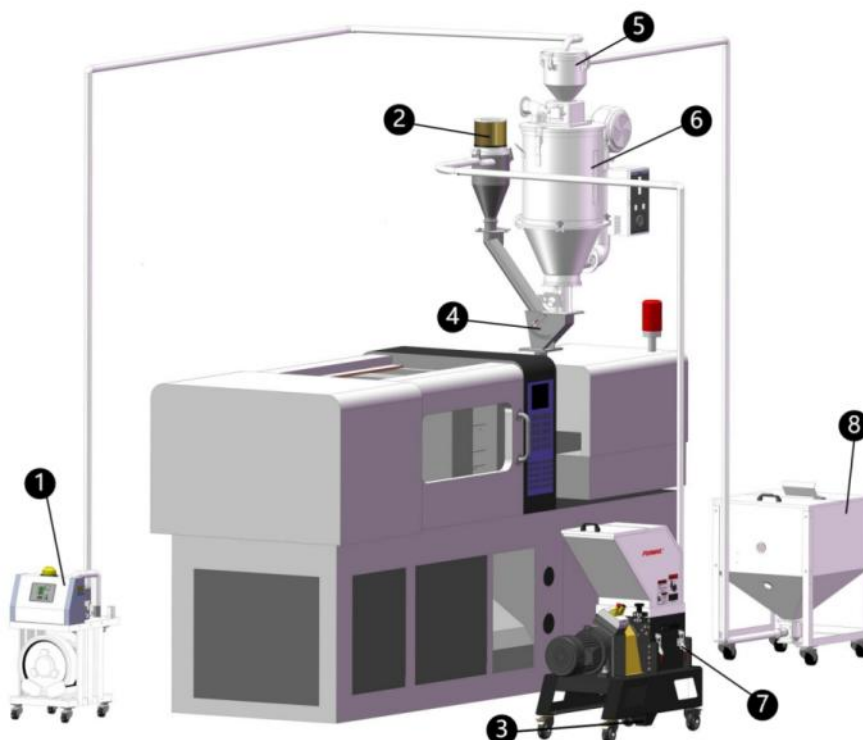
PR Type Instant Recycling System utilizes the pulverized material in the collection bin can be easily sent to the cyclone separator using a high-pressure blower. Then through the proportional distributor after reuse, so that the sprues will not have physical properties and color changes due to oxidation and humidification, thus improving the products quality.



- 1. Single Hopper Loader
- 2. Cyclone Separator
- 3. High Pressure Blower
- 4. Proportional Distributor
- 5. Hopper Loader
- 6. Hopper Dryer
- 7. Low Speed Crusher
- 8. Material Storage Tank

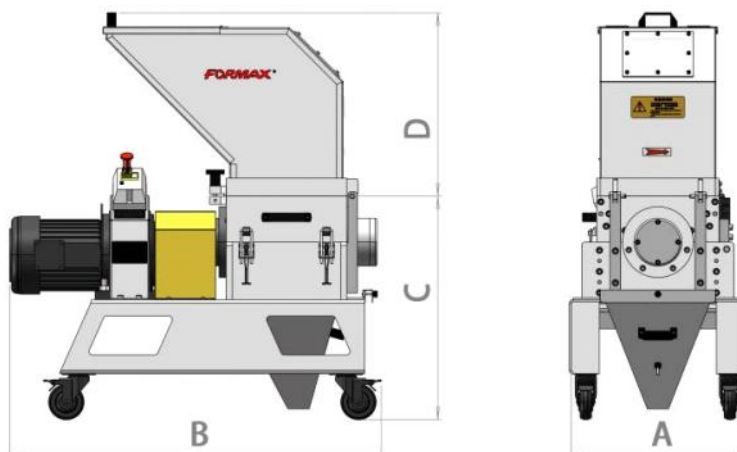
- VR Type - Instant Recycling System

VR Type Instant Recycling System utilizes the pulverized material in the collection bin can be easily transported to the cyclone using a negative pressure generator to feed the cassette pulverized materia, Then through the proportional distributor after reuse, so that the sprues will not have physical properties and color changes due to oxidation and humidification, thus improving the products quality.



- 1. Single Hopper Loader
- 2. Cyclone Separator
- 3. Venturi Generator
- 4. Proportional Distributor
- 5. Hopper Loader
- 6. Hopper Dryer
- 7. Low Speed Crusher
- 8. Material Storage Tank

## ■ Outline Drawings



## ■ Specifications

Model	FG-L	FG-L15	FG-L20	FG-L30	FG-L50	
Motor Power	KW/HP	1.1/1.5	1.5/2	2.2/3	3.7/5	
Roating Speed	rpm	20	20	20	20	
Materiale of Cutters		CR12MOV	CR12MOV	CR12MOV	CR12MOV	
No. of Roating Blades	pcs	3	3	4	4	
No. of Staggered Blades	pcs	2	2	3	3	
No. of Forward Fixed Blade	pcs	3	3	4	4	
No. of Reverse Fixed Blades	pcs	1	3	4	4	
Cutting Chamber	mm	250*260	310-310	420*310	470*380	
Feed Box Inlet	mm	255*265	315*315	420*315	475*385	
Throughput Capacity	KG/H	10	15	20	25	
Nosie Level	db	≈85	≈85	≈90	≈90	
Structure		Teeth Cutters+ Staggered Blades				
Dimension	A	mm	450	500	500	620
	B	mm	900	1036	1070	1134
	C	mm	607	632	632	705
	D	mm	405	527	547	659
Weight	KG	200	270	310	550	

Notes: 1)Max. Capacity of the machine is subject to the size and compositon of the material.

2)Noise level varies according to different granules.

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

4)Power Supply : 3φ,400VAC,50Hz

Specifications are subject to change without prior notice.

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