

**FORMAX**®

HERE BEGINS YOUR ULTIMATE VALUE

**FG** Series  
Low Speed Crushers

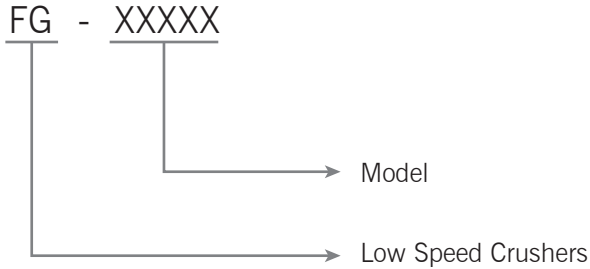
FG180



Please read the brochure carefully before operation.

# FG Series Low Speed Crushers

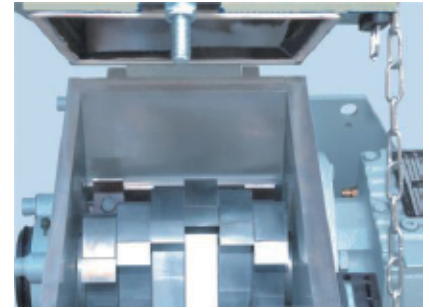
## ■ Coding Principle



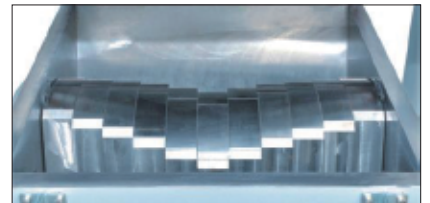
FG300

## ■ Features

- Adapting claw type and file structure, distributed load, high cutting efficiency, with no adjustment tool holder design, reducing the disassembly tool downtime.
- Slow rotation, design of sharp angled knife to help operating more smoothly.
- Equipped with a knife holder, easy tool mounting adjustment technology, the movable knife and the fixed knife can be adjusted in the outer cutter holder, do not need to adjust the tool through a complicated process.
- The gear motor drives the cutter shaft directly, eliminate belt drive.
- Crushing chamber design, can prevent the regrind material from leaking effectively.
- The best cutting angle, low resistance, not easy to get stuck, Improve cutting efficiency.
- Optimization design, can absorb the vibration.
- Low speed crusher, the regrind particles are less dusty and uniform.
- Low speed and sound proof box, can reduce the noise.
- Easy to disassemble design, can save time during maintenance, easy to move with casters.
- Highly safe operation design meets European safety standards.
- Add magnet to the feed inlet of the feed bin, can adsorb iron scrap.



FG180 Tool Cutting



FG300 Tool Cutting



FG Screens

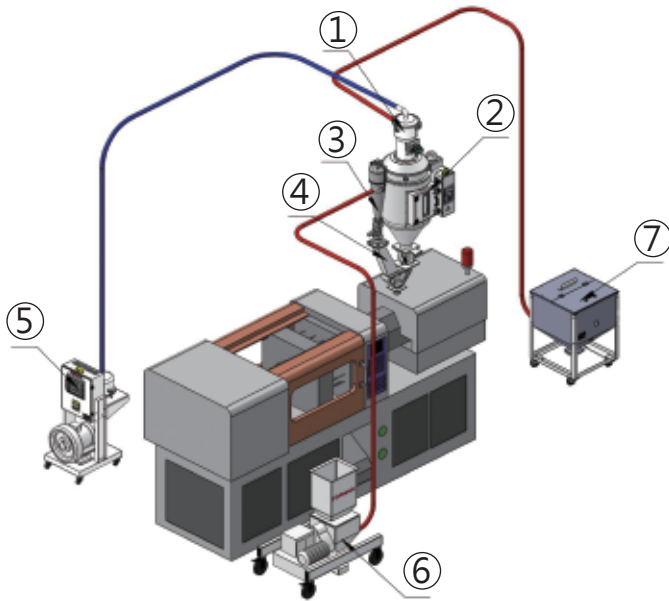
## ■ Application

Fromax production FG low speed crusher series, models from FG180/120 to FG180/600, specially designed for crushing of recycle plastic waste generated in the molding process and the gate. Formax production of low speed crusher set the general common advantages such as low noise, less dust outside, still in design, improved performance, such as special waste and for the broken gate

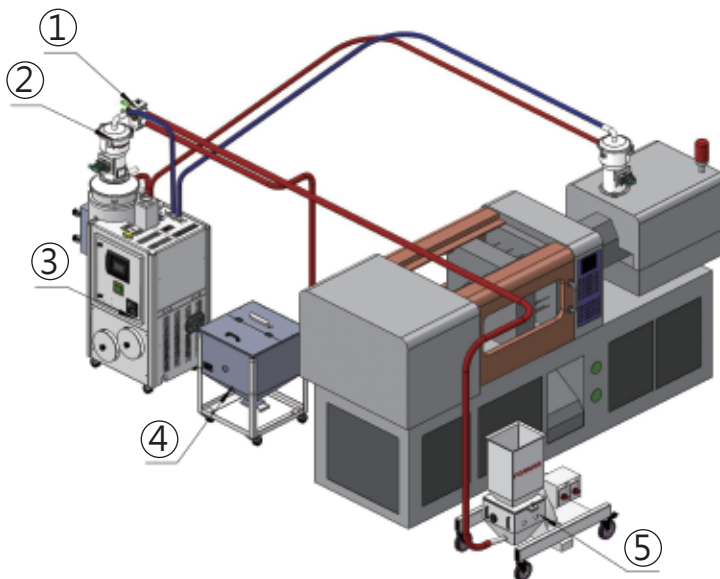
and design tool, the rotor and efficient way to disassemble, reflecting the low speed crusher Formax humanity. Machine used gear transmission mode, an increase of torque, the machine can start at any time, even if broken material left in the crushing chamber, you can easily start the machine.

## Options

- Optional voltage
- Optional recycling system (including 370W or 550W blower, Proportional three socket, slide tube, filter powder, separator, PVC transparent hose, etc., Reserved full material alarm device)



- ① Hopper Loader
- ② Hopper dryer
- ③ Cyclone separator
- ④ Proportional three socket
- ⑤ SHY Main Pump
- ⑥ Low Speed Crusher
- ⑦ Material Tank



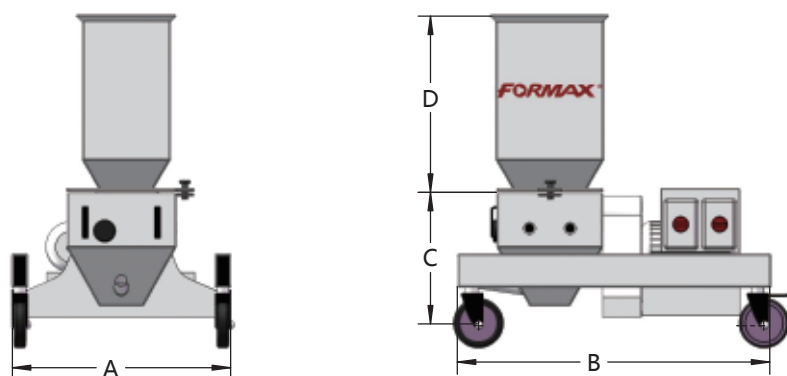
- ① Proportional valve
- ② Hopper Loader
- ③ Compact Dryers
- ④ Material Tank
- ⑤ Low Speed Crusher

## ■ Working Principle

Rotor with a specially designed tool, the unique shape of the rotor knives ensure its remains fixed after regrinding cutting interval, do not need to adjust the tool through a complicated process, thereby reducing the disassembly tool downtime. Rotor supported on two bearings, while the width of the rotor shaft according to the largest design, making it possible to shred massive objects. In addition, the ladder shaped rotor blade design allows the

cutting tool, thereby increasing the cutting torque, with ladder shaped rotor arranged in V-shaped, so that it can be caught in the shredding room central broken material, this feature prevents the material posted on the wall in shredding room, while greatly increasing the shredding chamber wall in processing of glass fiber reinforced plastic products and when the wear resistance.

## ■ Specifications



Model		FG1812	FG1818	FG1830	FG1843	FG3040	FG3060
Speed	rpm	150	150	150	150	150	150
Rotating Blades		12	18	30	45	33	48
Fixed Blades		2(4 blades )	2(4 blades )	2(4 blades )	2(4 blades )	2(4 blades )	2(4 blades )
Rotor Diameter	mm	180	180	180	180	300	300
Rotor Width	mm	120	180	300	430	400	600
Feeding Size	mm	350×350	350×350	350×350	430×350	400×400	600×400
Cutting Chamber	mm×mm	270×120	270×180	270×300	270×430	400×400	600×400
Drive Power	kw	2.2	3	4	4	7.5	11
Weight	kg	120	130	150	170	550	809
Dimension							
Width A	mm	420	420	420	420	820	1100
Length B		850	910	1030	1240	1050	1010
Height C		450	450	450	450	710	710
Height D		600	600	600	600	1050	1050

Specifications are subject to change without prior notice.



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