

Heavy Duty Granulator

Model 3045



Model 3045 in use in a production environment

The rotor, a massive open weldment, has nine staggered fly knives. Outboard isolated pillow block bearings with 6" journals, a 32" 1067 lb steel flywheel and a separate drive sheave using five belts complete the drive system. The staggered rotor knife design results in more positive, uniform feeding, smoother operation and a better distribution of impact stresses.

Swing down doors on the front and rear of the cutting chamber provide convenient access to the rotary and stationary knives for servicing without the need to remove or raise the hopper. The stationary knives have four cutting edges available for greater economy and longer life. The full interior of the hopper is accessible for cleaning via a full width, 4 foot high door at the rear of the machine. The screen is mounted in a cradle, which is raised and lowered by a crank operated winch.

These machines are equipped with blower discharge as standard and optional 125 or 150 HP motors are available along with various screen sizes.

FOREMOST

Specifications:

Hopper:	To accept material from conveyor
Feed:	Center
Throat:	30" x 45"
Rotor:	Three bladed, single driven
Rotor speed:	552 RPM
Cutting diameter:	24"
Knives:	Nine 15" rotary 'fly', Six 15" stationary 'bed'
Screen:	3/8" standard
Electrics:	440V, 3-phase, 60 cycle
Controls:	NEMA 12, 110 volt control panel with fused disconnect and all starters electrically interlocked.
Power options:	Up to 200 HP motor

Options:

- Conveyor feed package
- Power hopper opening
- Power screen opening
- Pneumatic hopper feed opening
- Cutting chamber wear plates and rotor coating for high wear application
- Noise reduction package
- Auger discharge packages
- Reverse or side feed inlet
- Reverse or side blower discharge
- Loading platform for hand feed operation
- Metal separation systems

Applications:

- Large molded parts
- Extruded profiles



Cutting chamber assembly



Rotor and knife assembly



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