

40 SERIES

General Purpose Granulators



40 Series Granulators offer a Wide Range of Capabilities

The Cumberland 40 Series granulators are designed to handle the most demanding injection molding, blow molding and extrusion requirements. With a throughput capacity from 410 to 815 kg./hr. and a wide range of sizes, there is a Cumberland granulator ideal for your specific needs.

40 Series models include 400x500, 400x700 and 400x1000. All provide excellent quality regrind and quiet operation. Unique machined, bolted and doweled construction ensures durability. Double-sealed bearings are lubricated for life. Rotating end discs are standard throughout the 40 Series line for minimized friction and heat buildup.

Model	4050	4070	40100
Cutting Circle	419mm		
Throughput	408 kg/hr	680 kg/hr	818 kg/hr
Cutting Chamber	400 mm x 500 mm	400 mm x 700 mm	400 mm x 1016 mm
Rotor Knives	(3) D2 HCHC		
Discharge	152mm airveyor		203mm airveyor
Evacuation System	Optional		
Motor	15 kW		23 kW
Drive Parts	Flywheel/rotor (solid), drive belts, taper lock bearings, and adjustable motor base		
Base	Totally enclosed for sound control, stationary with vibration pad		
Electrical Components	Start/stop push button, complete set of safety interlocks		
Feed Height	1430 mm		
Overall Height	2032 mm		
Overall Length	1808 mm		
Overall Width (A)	1302 mm	1505 mm	1809 mm
Weight	1372 kg	1542 kg	1818 kg

Features

- Multi-feed hopper suitable for manual, conveyor or robot loading
- Hopper opening by hand-operated screw jack mechanism
- Removable flap assembly
- Bolted and doweled cutting chamber assembly with sealed-for-life bearings in outboard bearing housings
- Three knife, open rotor with “scooped” wings and slant-cut knives
- Counter slanted stationary knives provide true “scissor” cutting action
- All knives manufactured from D2 HCHC and heat treated using Cumberland’s proprietary process
- Rotating end discs
- High-inertia flywheel with automatic drive belt tensioning
- TEFV motor and star/delta starter in IP55 enclosure
- Safety interlocks, push buttons, safety labels, monitoring equipment, and restraint device all comply with CE regulations
- Integral sound enclosure and granulate transport system

Options

Hoppers:

- Front sheet feed
- Side entry pipe/profile

Rotors:

- 5 knife slant cut
- 3/5 Twinshear knife

Motors:

- 15, 18.5, and 22 kW

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