



40 Series Granulators

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40 Series Granulators

Application:

The 40 Premier Series granulators offer a wide range of capabilities to handle the most demanding injection molding, blow molding, and extrusion requirements. With a horsepower range from 15 to 30 kW, throughput capacities from 405 to 680 kg/hr, and a wide range of sizes, there is a Cumberland granulator ideal for your specific needs.

40 Premier Series models include (in mm) 405x510, 405x710, and 405x1015, providing 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 Premier line for minimized friction and heat build-up.

Standard Features:

- Pivoting hopper, drop-down removable screen cradle, and machined, bolted cutting chamber simplifies cleaning and maintenance.
- Low-profile, sound-attenuated in-feed systems for rotor hand or conveyor feed applications.
- D2 knives manufactured in-house utilizing Cumberland's proprietary process for heat treating ensures durability and long life.
- Oversized solid flywheel.

Optional Features:

- Motor: 18.6, 22.3, or 30 kW TEFC motors
- In-feed: Sheet/profile/pipe/feed rolls/side feed
- Rotor: 3-and 5-knife slant shear with knife carriers, twinshear
- Discharge: 32 mm, 38 mm, 51 mm, or 64 mm vacuum takeoff; 102 mm or 127 mm pneumatic bin discharge available on model 405 x 510 mm only
- Knives: D2 components with wear-resistant package
- Base: Caster-mounted
- Evacuation system



(shown with
evacuation
system)



Specifications			
Model	405x510	405x710	405x1015
Cutting Circle	420 mm 437 rotor RPM		
Throughput, kg/hr	405	680	815
Cutting Chamber, (mm)	405 x 510	405 x 710	405 x 1015
Rotor Knives	3-knife open-scooped with rotating end discs (knife carrier and 5-blade rotor optional)		
Discharge	152 mm pneumatic		203 mm pneumatic
Evacuation System	Optional		
Motor	15 kW TEFC motor standard, 400v		23kW TEFC motor standard, 400v
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 bush button, complete set of safety interlocks		
Controls	IP-55		
Feed Height, mm	430		
Overall Height, mm	2032		
Overall Length, mm	1808		
Overall Width (A), mm	1301.8	1505	1809
Weight, kg	1372	1542	1815



Complete double-walled hopper and sound-attenuated base enclosures provide quiet operation—approximately 85 dBA for most applications.



The screen and screen cradle swing down, allowing complete and simplified access for thorough cleaning



The 3-knife open slant-cut rotor with scooped wings provides for both positive feeding of bulky parts and improved airflow for cooler operation