

# BP1600 SERIES



Beside-the-Press Granulators



(shown with optional evacuation)

## POWER AND PERFORMANCE FOR TROUBLE-FREE SIZE REDUCTION

The BP1600 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 20 to 40 HP, throughput capacities from 900 to 1500 lbs./hr, and a wide range of sizes, there is a Sterling granulator ideal for your specific needs.

1600 Series models include 16x20, 16x28 and 16x40. All three models 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 BP1600 Series line for minimized friction and heat buildup.

### Standard Features

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

### Optional Features

- Motor: 25, 30 or 40 HP TEFC motors
- Infeed: Sheet/profile/pipe/feed rolls
- Rotor: 3 and 5 knife, 5 knife slant shear with knife carriers
- Discharge: 1.25", 1.5", 2" or 2.5" vacuum takeoff, 4" or 5" pneumatic, bin discharge available on model 1620 only
- Knives: D2 components and wear-resistant package
- Base: Caster-mounted
- Evacuation system

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Double-walled hopper and sound-attenuated base enclosures provide quiet operation - approx. 85 dBA for most applications.

Specifications			
Model	BP1620	BP1628	BP1640
Cutting Circle	16.54" (420.1 mm), 437 rotor RPM		
Throughput	900 lbs/hr (408.2 kg/hr)	1500 lbs/hr (680.4 kg/hr)	1800 lbs/hr (818 kg/hr)
Cutting Chamber	16" x 20" (406.4 mm x 508 mm)	16" x 28" (406.4 mm x 711.2 mm)	16" x 40" (406.4 mm X 1016 mm)
Rotor Knives	3 knife open scooped with rotating end discs (knife carrier and 5-blade rotor optional)		
Discharge	6" pneumatic		8" pneumatic
Evacuation System	Optional		
Motor	20 HP (15 kW) TEFC motor standard, 230/460 VAC		30 HP (23KW) TEFC motor standard 230/460 VAC
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		
Controls	NEMA Type 12		
Feed Height	56.27" (1429.3 mm)		
Overall Height	79.99" (2031.7 mm)		
Overall Length	71.18" (1808 mm)		
Overall Width (A)	51.25" (1301.8 mm)	59.25" (1505 mm)	71.25" (1809 mm)
Weight	3025 lbs. (1372 kg)	3400 lbs. (1542.3 kg)	4000 lbs. (1818 kg)



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.



PRODUCT. PERFORMANCE. EXCELLENCE.

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