

## BP1600 SERIES 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.



### Features

- 450 rpm rotor speed
- 230, 460V @ 60 Hz
- Time delay safety switch to interlock hopper and screen chamber
- Pivoting "removable" screen cradle
- NEMA 12 - control enclosure
- D2 knives; selection of 40° or 55° tip angle
- Double-walled construction on hopper and base
- Solid flywheel drive sheave
- TEFC motor
- Top-access bed knife adjusting system
- Three (3) -blade open rotor with rotating end discs
- Two (2) bed knives
- Pneumatic Discharge Transition
- Selection of reversible screens; hole sizes of 1/4", 5/16", 3/8", 1/2", and 5/8" available
- Conveyor/Tray combination feed hopper
- Stationary mount with vibration pads
- Full Machine Sound Enclosure
- One Year Warranty

### Options

- Infeed Section
  - Tray feed with conveyor (standard)
  - Tray with 8" x 10" Side Feed
  - CF Tray Feed & Pipe
  - CF Tray Feed & Sheet
- Cutting Chamber
  - Abrasive Resistant
- Discharge
  - Vacuum Bin 1 1/2 to 2 1/2
  - Airveyor 4",5",6"—8" standard on 1640
  - Level Indicator with light
- Rotor
  - 3 knife slant (standard)
  - 5 knife slant
  - Above rotors with knife carrier option (heavy duty)
- Controls
  - 230/460v: 115 PB (standard)
  - 208/575v (20-30hp)
- Dual Flywheel
- Accessories: #6 Blower 5HP; #8 Separator; #8 Stand; #8 Side Mount Filter Head (not available on BP1640); #8 Blower 10HP; #10 Separator; #10 Stand; #10 Side Mount; Filter Head; 8" Pipe Muffler; #8 Blower Sound Enclosure (only available on Bp1640)
- Ammeter- Digital
- Ammeter- Digital with single set point
- Spare Parts
  - Set of knives (3 blade rotor & bed)
  - Set of knives (5 blade rotor & bed)
  - Screens 5/16 and larger
  - Screens 3/16 and 1/4



# BP1600 SERIES

## SPECIFICATIONS

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 carriers and 5-bladerotor optional)		
Discharge	6" pneumatic		8" pneumatic
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)

## DIMENSIONS

