

## BP2400 SERIES

### VERSATILITY AND STRENGTH FOR THE TOUGHEST INJECTION MOLDED PARTS

Sterling's BP2400 Series is one of the most versatile central granulators available. Ideally suited for many applications including large injection-molded parts, blow-molded parts, automotive moldings, light purgings, furniture and appliance parts, etc. The BP2400 Series comes in 27" (700 mm), 39" (1000 mm), and 56" (1400 mm) widths, cutting circle diameter of 24", and horsepower options from 50 through 150 hp with throughput rates ranging from 1800 to 6000 lbs/hr.



#### Features

- Unique rotor and disc design reduces frictional heat, helps prevent end plate smearing
- Exclusive Twinshear™ slicing action reduces energy consumption, fines and extends knife life
- Split chamber, easy cleanout service access

#### Low Heat Granulation

- Unique rotor and cutting chamber design helps prevent polymer "melt down"
- Virtually eliminates "end plate smearing"
- End ring (disc) rotates in relationship to the cutting chamber, vastly improving airflow and minimizing frictional heat

#### Reduced Energy Consumption

- Made possible by the Twinshear™ "scissor cutting" action knife design
- More efficient than chopping motion knife designs
- Uses lower horsepower motor without sacrificing throughput performance

#### Options

- Multiple hopper designs
- Adjustable rotor knives
- Replaceable rotor knife seats

## BP2400 SERIES

### SPECIFICATIONS

Specifications	BP2428	BP2439	BP2456
Throat Size	600 x 700 mm (24" x 28")	600 x 1000 mm (24" x 40")	600 x 1400 mm (24" x 56")
Cutting Circle	600 mm (23 5/8")		
Throughput (3/8" screen)	820 kg (1800 lbs.)	1200 kg (2500 lbs.)	1600 kg (3500 lbs.)
Infeed	Convey		
Cutting Chamber	(2) Bed Knife Chevron		
Rotor	(3) Knife Chevron		
Rotor Knives	(6) HCHC		
Bed Knives	(4) HCHC		
Screen Diameter	9.4 mm (3/8" dia.)		
Base	Plate Type		
Discharge	Airveyor		
Motor	37 kW (50 HP)	90 kW (100 HP)	90 kW (125 HP)
Drive	V-Belt		
Electrical Components	Safety switches wired into common junction box		
Controls	To suit voltage - 110V at operator station		
Labels	Labels and plates provided for operator safety		
Accessories	Conveyors, blowers, cyclone separators to suit application		
Feed Height	2175 mm (104 3/4")		
Length	2660 mm (104 3/4")		
Width	1473 mm (58")	1778 mm (70")	2184 mm (86")
Height	3429 mm (125")		
Weight	4545 kg (10,000 lbs)	5910 kg (13,000 lbs)	7270 kg (16,000 lbs)

#### EASY ACCESSIBILITY AND CLEANOUT

- Due to split chamber design, which raises the upper half of the cutting chamber, and lowers the screen cradle and discharge assembly via motorized screw jacks
- 50% reduction in cleanout time
- Simplifies access for knife adjustments and replacement
- Air evacuation piping system does not need to be disconnected



Heavy solid flywheel for added inertia



Easy access for maintenance and color changes

#### LOW NOISE OPERATION

- Standard double-walled hopper helps avoid the need for sound insulation rooms on plant floor

