
MSH Series Heavy Duty Central Granulators

Colortronic's MSH Series is designed for heavy-duty, high capacity granulation. Ideally suited for applications including heavy extruded purgings, sheet, pipe scrap, X-ray film, post consumer bailed bottles, film and fibers. The MSH Series has a cutting circle diameter of 18" and horsepower options from 100-200 hp.

Standard Features

- Dual flywheel high torque design
- 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

Split Chamber

- Raises the upper half of the cutting chamber and lowers the screen cradle and discharge assembly via motorized screw jacks
- 50% reduction in clean out time
- Simplifies access for knife adjustments and replacements
- Allows further reducing of service downtime by not requiring the air evacuation piping system to be disconnected

Optional Features

- Up to 200 hp
- Hog style rotor
- Raised bed knife
- Conveyor feed system with amperage feedback



Specifications	MSH2039	MSH2056
Throat Size	20" x 40"	20" x 56"
Cutting Circle	18"	
Throughput (3/8" screen)	2500	3500
Infeed	Conveyor	
Cutting chamber	(2) Bed	
Rotor	3-blade Twin High Shear	
Rotor Knives	(3) HCHC	
Bed Knives	(2) HCHC	
Screen Diameter	3/8"	
Base	Airveyor	
Discharge	Airveyor	
Motor (tefc)	100	125
Drive	V-Belt	
Electrical Components	Safety switches wired into common junction box	
Controls	To suit voltage – 100V at operator station	
Accessories	Conveyors, blowers, cyclone separators to suit application	
Feed Height	102"	
Length	87" (2200 mm)	
Width	126" (3200 mm)	148" (3700 mm)
Height	122" (3100 mm)	122" (3100 mm)
Weight	14,000 lbs.	17,000 lbs.

Cutting Chamber Design with Rotating End Discs

- Prevents polymer "melt down"
- Virtually eliminates "endplate smearing"
- End ring (disc) rotates in relationship to the cutting chamber, improving airflow and minimizing frictional heat generation

Twinshear™ Rotor Design

- Creates "scissor cutting" action, reducing energy consumption
- More efficient than chopping motion knife designs
- Allows the MSH Series to handle the most difficult plastic purging
- "Rotor lock" holds rotor in place while torquing knives



Clamshell opening design allows for easy access during cleaning and maintenance



Twinshear™ rotor directs material to center of cutting chamber, improving cutting efficiency and reducing side wall "smearing of material"



Screw jack design opens hopper and lowers screen cradle

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