

### MPS Series Pipe Shredder

The MPS Series shredders have been developed for the size reduction of pipes up to 51" (1,300mm) in diameter made from materials such as UPVC, PE, and PP. Pipes up to 29.5 ft (9 m) in length can be shredded without the need for pre-cutting. The shredder is available with two rotor diameters (39"/56", 980mm/1430mm) equipped with rotary cutters operating at low speed, ensuring smooth and efficient size reduction of pipes.

Large pipes or bundles of pipes of smaller diameter are loaded into the horizontal feeding trough; the doors are closed automatically, and the hydraulic pusher forces the pipes towards the rotor.

The MPS Pipe Shredder reduces material to approximately 1" (25mm) to 4" (100mm) when combined with a Colortronic granulator (stacked 2-stage or in-line with conveyors); output material sizes can range from 1/8" (3.175mm) to 1/2" (12.7mm), and the granulator can average 150% of its stated throughputs without heavy power consumption (loads typically seen when using a granulator alone). The MPS Pipe Shredder has many features and benefits to help ensure efficient granulation and are listed below.

### Standard Features and Benefits

- 39" (990mm) (on 1000 model) or 56" (1420mm) (on 1500 model) diameter drum style rotor provides efficient cutting of thick wall pipe.
- Low speed rotor (43 rpm on the 1000 model and 28 rpm on the 1500 model) transmits high cutting torque for processing solid, thick wall, or corrugated pipe.
- The low speed cutting action provides smooth operation when processing the heavy wall or solid pipe and reduces noise levels that typically occur when processing long lengths of heavy material.
- Standard rotor is fabricated using abrasion-resistant steel for long life in high-wear applications.
- 4-edge 1.3" (34mm) reversible cutters with bolt-in replaceable knife seat for easy maintenance.
- Heavy-duty self-aligning outboard mounted bearings that reduce the possibility of material contamination.
- Feed trough that processes up to 25 foot long full-length pipe horizontally. This feed style allows the heavy pipe to be fed at a comfortable height by forklift or crane without the need of complex tilting mechanisms to feed the shredder.
- The 3-stage telescoping 15hp hydraulic ram pushes the pipe into the shredder, maintaining pressure to maximize throughput. The laser measurement device on the ram records the exact position of the ram at each step of the process.
- Dual drive motors provide even distribution of horsepower along the rotor, maximizing the transmission of torque through the heavy-duty gearbox system.

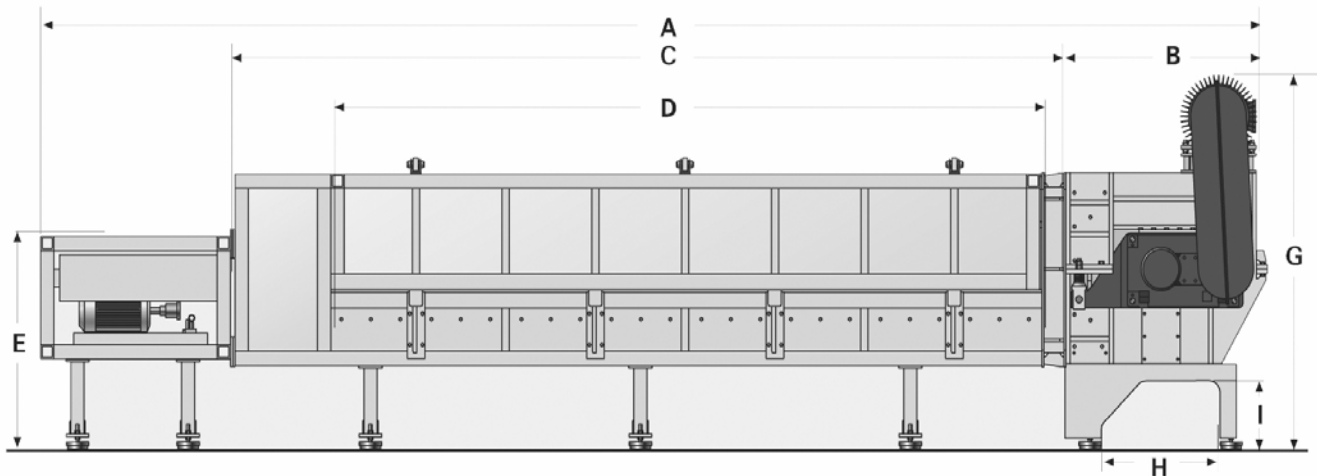


### Specifications

Model	MPS 1000	MPS 1500
Feed Opening, in. (mm)	253 x 33 (6,420 x 840)	253 x 51 (6,420 x 1300)
Rotor Diameter, in. (mm)	39 (980)	56 (1430)
Biggest Pipe, in. (mm)	236 x 31 (6000 x 800)	236 x 47 (6000 x 1200)
Rotor Speed, rpm	36	23
Rotor Knives, pieces	108	206
Drive Capacity, hp (kW)	2 x 60 (2 x 45)	2 x 74 (2 x 55)
Stator Blades	4	5
Pusher Drive, kW	15	15
Total Weight, tons	20	25

### Dimensions, in. (mm)

	MPS 1000	MPS 1500
A	417 (10,600)	437 (11,100)
B	58 (1,480)	71 (1,800)
C	309 (7,840)	295 (7,500)
D	118-315 (3,000-8,000)	118-315 (3,000-8,000)
E	76 (1,920)	91 (2,300)
F	114 (2,900)	130 (3,300)
G	98 (2,500)	120 (3,050)
H	42 (1,070)	29 (730)
I	23 (580)	22 (570)



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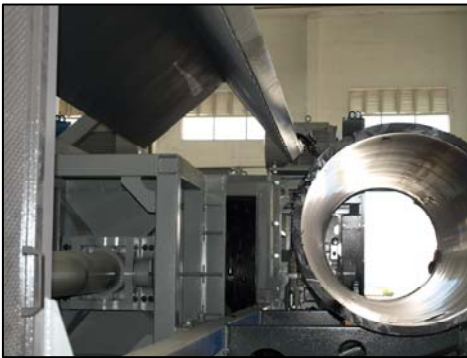
Telescoping ram provides positive pressure to pipe to ensure constant throughput.



Automatic locks with light curtains provide redundant safety throughout the loading and feeding cycles.



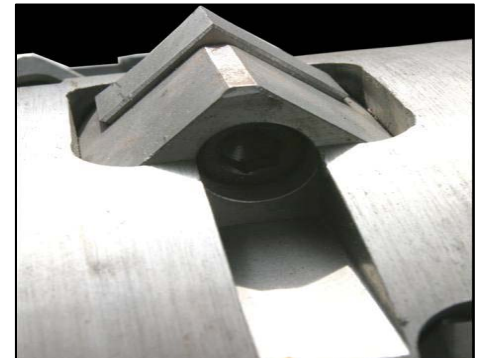
Standard, hardened rotor designed for long life in demanding applications.



Horizontal trough with hinged hydraulic door provides comfortable height to feed full length pipes.



Dual drive motors with heavy-duty self-aligning gear box maximizes torque for high throughput shredding with reduced noise levels.



Bolt on 4-edge rotor knives with replaceable seats for easy maintenance.

## The Most Complete Line of Size Reduction in the Industry



### MLS Series Light Duty Shredder

The MLS Series light duty shredder is designed for processing injection and extrusion mold startup purge.



### MMS Series Medium Duty Shredders

The MMS Series is designed for processing scrap from wood industries—miscellaneous trim and panel scraps, furniture, injection and extrusion mold startup purge, heavy wall parts, paper and cardboard, film (baled and loose).



### MXS Series Extreme Duty Shredder

The MXS Series is designed for processing plastic waste for reclamation and recycling, large extruder purgings, large reject parts, trim scraps, baled or loose film, synthetic fiber, wood processing scrap, medical waste, cardboard, paper and carpet.

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