



DUAL -SHEAR M120-D SHREDDER

SSI offers its Model M120-D Dual-Shear™ shredders to process materials including:

- Mixed Waste
- Passenger and Truck Tires
- Steel Drums
- Wood / Pallets
- Demolition Waste
- Plastics (Purgings and Film)
- Appliances
- Fibers / Textiles / Foam
- Baled and Bulky Materials
- Metals
- Paper / Cardboard
- Organic Waste
- and more...

INDEPENDENT DUAL DRIVES

A unique feature of SSI's dual drive machines is that each shaft is directly splined to the drive. That means maximum power to each shaft. It also means fewer gears; therefore, fewer parts and less maintenance. Yet best of all, each drive can be set independently to give varying speeds in the cutting chamber—a real advantage for optimum performance in many applications.

ELECTRIC OR HYDRAULIC

M120-D shredders are available in both electric and hydraulic versions to meet your specific processing requirements. Some factors to consider include:

Electric drive when processing:

- Sorted, uniform materials.
- Conveyor fed or metered materials.
- Materials containing limited non-shreddables.

Hydraulic drive when processing:

- Mixed or unsorted materials.
- Batch fed materials.
- Materials containing non-shreddables.
- Materials calling for enhanced particle size or throughput control.
- Installations requiring optional reduced voltage starting.



SSI ADVANTAGES

High-torque, low-speed design

Delivers multipurpose shredding with greater on-line reliability and lower maintenance requirements than other technologies.

Direct drive motor

Provides improved efficiency and reliability. Alternate speed and torque combinations available.

Shock load protection feature

Protects shredder and drive components. Electric version offers patented SSP - Severe Shock Protection™ controlled torque coupling. Hydraulic version utilizes multiple relief valves.

Auto reversal feature

Protects against overfeeding and damage by non-shreddables.

Patented ACLS - Advanced Cutter Locking System™

Eliminates daily requirement to tighten cutter stack while improving shredder performance and cutter life.

Proprietary bearing protection

Isolates bearings from cutting chamber contamination and protects against bearing failure.

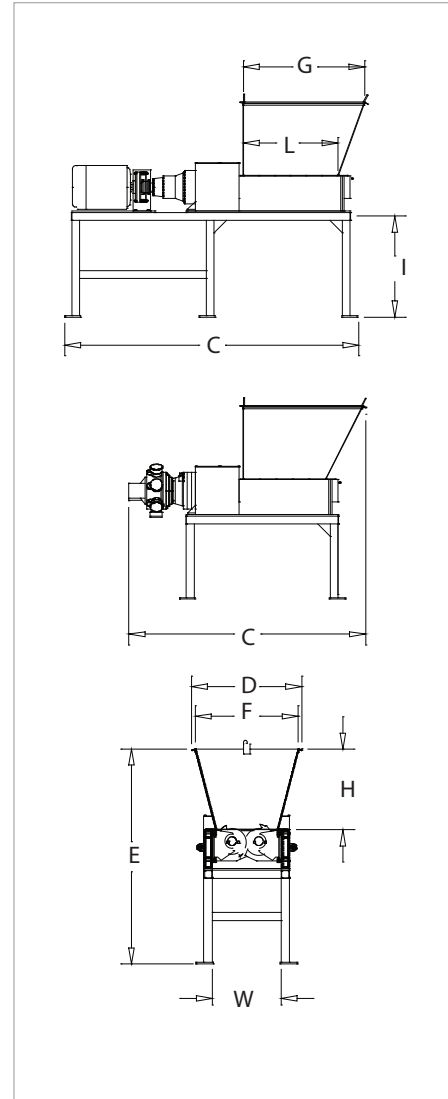
Convertible drive

Versatile design accommodates electric or hydraulic drive. Optional conversion package available.





Standard Cutting Chamber (W x L) 45" x 60" (1145mm x 1525mm)
 Optional lengths available 75" (1900mm)



SHREDDER	MODEL M120-ED	MODEL M120-HD
Drive	Dual electric	Dual hydraulic
Number of electric motors	Two	Two (HPU)
Horsepower	300 HP (225kW)	300 HP (225kW)
Voltage	460/3/60	460/3/60
Voltage options	Many - Consult Factory	Many - Consult Factory
Autochop feature	N/A	Included
Shock load protection	Yes (SSPTM)	Yes (Multiple Relief)
Cutter thickness (nominal)	2" (50mm)	2" (50mm)
Cutter diameter	24" (610mm)	24" (610mm)
Cutter material	4140 HT	4140 HT
Shaft diameter	7.9" (200mm)	7.9" (200mm)
Cutting chamber (WxL)*	45" x 60" (1145mm x 1525mm)	45" x 60" (1145mm x 1525mm)
Machine length (C)*	198" (5015mm)	146" (3700mm)
Machine width (D)	80" (2040mm)	80" (2040mm)
Machine height (E)	135" (3450mm)	135" (3450mm)
Machine weight	33,000 lbs (15,000 kg)	30,000 lbs (13,600 kg)
Hopper opening (FxG)*	65" x 72" (1650mm x 1830mm)	65" x 72" (1650mm x 1830mm)
Hopper height (H)	49" (1250mm)	49" (1250mm)
Stand height (I)	48" (1225mm)	48" (1225mm)
HPU configuration	N/A	Open Loop
HPU dimensions	N/A	
HPU weight	N/A	

Motor starting and protection devices are mounted in a single NEMA 4 enclosure. PLC and operator interface are mounted in a second NEMA 4 enclosure.

* Dimensions apply to Model M120-D with standard 60" (1525 mm) cutting chamber length. For 75" (1900mm) length option, add 15" (380 mm).

Note: Illustrations, specifications and descriptions presented reflect standard product at time of publication and are subject to change without notice. Dimensions are approximate. Photographs may include optional equipment and accessories. SSI offers compactors, balers, granulators, conveyors and classifiers as well as specialized motors, stands, hoppers, and mobile configurations. Consult factory to discuss your processing needs.

SSI offers a full range of energy-efficient electric and hydraulic shredders as well as custom units to meet all processing requirements.

Standard Cutter Profiles

