



## DUAL-SHEAR® M160 SHREDDER

SSI's Dual-Shear® M160 is a low-speed, high-torque, two-shaft, rotary shear shredder designed to efficiently process a variety of difficult materials.

### M160 DUAL-SHEAR® SHREDDERS PROCESS MATERIALS INCLUDING:

- High Volume Municipal Waste
- Heavy Industrial Waste
- Oversize Bulky Waste
- Demolition Waste
- Steel Drums / Ferrous
- Wood / Pallets
- Passenger, Truck and OTR Tires
- Baled & Bulky Materials
- Appliances
- and more...

### ELECTRIC OR HYDRAULIC DRIVE

#### Hydraulic Drive When Processing:

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

#### Electric Drive When Processing:

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



### INDEPENDENT DUAL DRIVES

Each shaft of the M160 is directly splined to the drive which allows maximum power to each shaft. It also means fewer gears; therefore, fewer parts and less maintenance. Also, each drive can be set independently to give varying speeds in the cutting chamber. This is a real advantage for optimum performance in many applications.

## SSI ADVANTAGES

### HIGH-TORQUE, LOW-SPEED DESIGN

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

### PATENTED ACLS - ADVANCED CUTTER LOCKING SYSTEM™

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

### 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.

### CONVERTIBLE DRIVE

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

### PROPRIETARY BEARING PROTECTION

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

### DIRECT DRIVE MOTOR

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

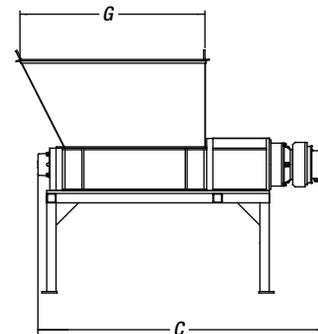
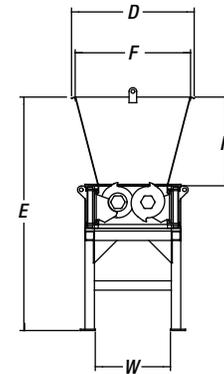
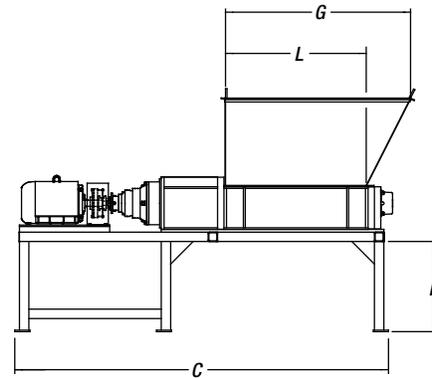


## STANDARD CUTTING CHAMBER (W X L)

Optional length

**64" X 101" (1,625mm X 2,555mm)**

75" (1,905mm)



SHREDDER MODEL NO.	M160ED	M160HD
Drive	Dual Electric	Dual Hydraulic
Number of Electric Motors	Two	Two (HPU)
Horsepower	400 HP (300kW)	400 HP (300kW)
Horsepower Range	300-600 HP (225-448kW)	300-600 HP (225-448kW)
Voltage	460/3/60	460/3/60
Voltage Options	Many - Consult factory	Many - Consult factory
Autochop Feature	N/A	Included
Shock Load Protection	Yes (SSP™)	(Multiple Relief)
Cutter Thickness (nominal)	2" (50mm)	2" (50mm)
Cutter Diameter	33.5" (850mm)	33.5" (850mm)
Cutter Material	4140 HT	4140 HT
Shaft Diameter	10" (254mm)	10" (254mm)
Cutting Chamber (WxL)*	64" x 101" (1625mm x 2555mm)	64" x 101" (1625mm x 2555mm)
Machine Length (C)*	245" (6223mm)	237" (6020mm)
Machine Width (D)	101" (2,555mm)	101" (2,555mm)
Machine Height (E)	169" (4293mm)	169" (4293mm)
Machine Weight	73,000 lbs (33,113 kg)	70,000 lbs (31,752 kg)
Hopper Opening (FxG)*	96" x 144" (2440mm x 3660mm)	96" x 144" (2440mm x 3660mm)
Hopper Height (H)	69" (1750mm)	69" (1750mm)
Stand Height (I)	60" (1525mm)	60" (1525mm)
HPU Configuration	N/A	Open Loop
HPU Dimensions	N/A	10' x 7.5' x 9' (3m x 2.3m x 2.7m)
HPU Weight	(6,800 kg)	11,000 lbs (5,000 kg)

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



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 the M160 with standard 101" (2,555mm) cutting chamber length. Secondary optional length available at 75" (1,905mm).

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.