



DUAL-SHEAR® M55 SHREDDER

SSI's Dual-Shear® M55 is a low-speed, high-torque, two-shaft, rotary shear shredder designed to efficiently process a variety of difficult materials.

M55 DUAL-SHEAR® SHREDDERS PROCESS MATERIALS INCLUDING:

- Mixed Waste
- Wood
- Plastics
- Medical Waste
- Paper / Cardboard
- Document Destruction
- Pharmaceuticals
- Product Destruction
- Organic Waste
- Glass
- Light Electronic Scrap
- Light Gauge Metals
- Fibers / Textiles
- and more...

ELECTRIC OR HYDRAULIC DRIVE

Hydraulic Drive When Processing:

- Mixed or unsorted materials
- Materials requiring enhanced particle size or throughput control
- Batch fed materials
- Materials containing non-shreddables

Electric Drive When Processing:

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



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.

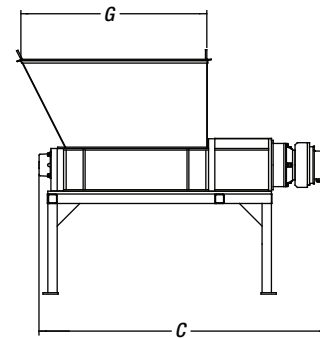
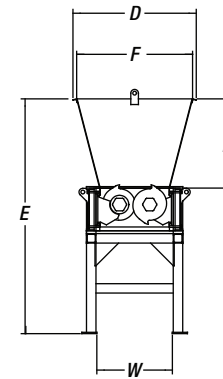
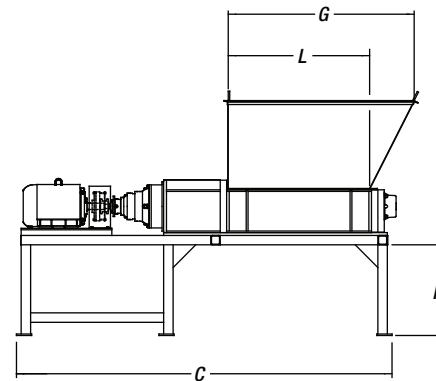


STANDARD CUTTING CHAMBER (W X L):

23" X 30" (580mm X 762mm)

Optional lengths available:

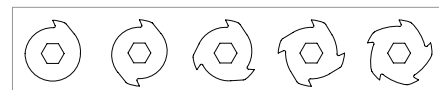
40" (1,025mm)



SHREDDER MODEL NO.	M55E	M55H
Drive	Electric	Hydraulic
Number of Electric Motors	One	One
Horsepower	40 HP (30kW)	40 HP (30kW)
Horsepower Range	30-40 HP (23-30kW)	30-40 HP (23-30kW)
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™)	Yes (Multiple Relief)
Cutter Thickness (nominal)	1" (25mm)	1" (25mm)
Cutter Diameter	11.4" (290mm)	11.4" (290mm)
Cutter Material	4140 HT	4140 HT
Shaft Diameter	4.12" (105mm)	4.12" (105mm)
Cutting Chamber (WxL)*	23" x 30" (580mm x 760mm)	23" x 30" (580mm x 760mm)
Machine Length (C)*	122" (3,105mm)	101" (2,560mm)
Machine Width (D)	46" (1,180mm)	46" (1,180mm)
Machine Height (E)	100" (2,551mm)	100" (2,551mm)
Machine Weight	4,500 lbs (2,000 kg)	4,000 lbs (1,800 kg)
Hopper Opening (FxG)*	42" x 51" (1,055mm x 1,290mm)	42" x 51" (1,055mm x 1,290mm)
Hopper Height (H)	36" (915mm)	36" (915mm)
Stand Height (I)	48" (1,220mm)	48" (1,220mm)
HPU Configuration	N/A	Closed Loop
HPU Dimensions	N/A	6.5' x 5.5' x 6' (2m x 1.7m x 1.8m)
HPU Weight	N/A	5,500 lbs (2,400 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



Electrical controls including motor starters, PLC, and operator interface are supplied in NEMA 4 enclosures.

* Dimensions apply to the M55 with standard 30" (762mm) cutting chamber length. Secondary optional length available at 40" (1,025mm).

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.