DUAL-SHEAR® M45 SHREDDER

SSI’s Dual-Shear® M45 is a low-speed, high-torque, two-shaft, rotary shear shredder designed to efficiently process a variety of difficult materials.

**M45 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
- and more...

**M45 DUAL-SHEAR® SHREDDER FEATURES:**
- Proprietary bearing & seal arrangements at shredder gearbox and endplate
- CNC machined shredder frame, torsion box design, modular construction
- Small footprint
- Low power requirements
- “Floating” cleaning fingers inside shredder minimize the possibility for material buildup.

**SSI ADVANTAGES**

**HIGH-TORQUE, LOW-SPEED DESIGN**
Delivers multipurpose shredding with greater on-line reliability and lower maintenance requirements than other technologies.

**AUTO REVERSAL FEATURE**
Protects against overfeeding and damage by non-shreddables.

**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.
SSI Shredding Systems

STANDARD CUTTING CHAMBER (W X L):
19 IN X 19 IN (483 MM X 483 MM)
Optional lengths available:
N/A

<table>
<thead>
<tr>
<th>SHREDDER MODEL NO.</th>
<th>M45E</th>
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<tbody>
<tr>
<td>Drive</td>
<td>Electric</td>
</tr>
<tr>
<td>Number of Electric Motors</td>
<td>One</td>
</tr>
<tr>
<td>Power</td>
<td>10 HP (7.5 kW)</td>
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<tr>
<td>Voltage</td>
<td>460/3/60 or 350/3/50</td>
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<tr>
<td>Shock Load Protection</td>
<td>Amperage overload reversals</td>
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<tr>
<td>Cutter Thickness (nominal)</td>
<td>1 in (25 mm)</td>
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<tr>
<td>Cutter Diameter</td>
<td>9.8 in (248 mm)</td>
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<tr>
<td>Cutting Chamber (WxL)*</td>
<td>19 in x 19 in (483 mm x 483 mm)</td>
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<tr>
<td>Machine Length (C)*</td>
<td>71 in (1,816 mm)</td>
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<tr>
<td>Machine Width (D)</td>
<td>29 in (746 mm)</td>
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<tr>
<td>Machine Height (E)</td>
<td>72 in (1,838 mm)</td>
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<tr>
<td>Machine Weight</td>
<td>2,061 lbs (930 kg)</td>
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<tr>
<td>Stand Height (I)</td>
<td>39.5 in (1,003 mm)</td>
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</table>

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

STANDARD CUTTER PROFILES

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

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.