SMALL, UNIFORM PARTICLE SIZE

If you need a shredder that can process a wide range of materials and give a consistently small output, SSI’s Quad® shredder is what you’ve been looking for. Four shafts in the Quad® shred and recirculate material within the machine until it is sized to pass through a removable screen set immediately below the cutters. SSI Quad® shredders employ proven low-speed, high-torque technology. They have a small footprint and create well-liberated, uniform products at high production rates, without sustaining damage from metals and other hard materials.

WHY use a Quad®?

- Low-speed benefits—low noise, low dust, low heat generation, low operation and maintenance costs
- Design facilitates liberation of commingled materials, maximizing recovery
- Robust, high-torque shearing technology designed to process tough, compressible materials such as metals, carpet, tires, etc.
- Unique removable screens (hole sizes from 3/4” - 8”, depending on application)
- Uniform particle size
- Low horsepower, energy efficient
- Bulk feed capability
- Small footprint, simple design

SSI’s Quad® shredders are the ideal solution for:

- Alternative Fuel/Refuse-Derived Fuel – MSW, industrial waste, wood, paper, tires, plastics, carpet, textiles, etc.
- Material Separation & Recycling – Electronics scrap, plastics, aluminum, UBC’s, steel drums, auto shredder residue, wood, etc.
- Product/Security Destruction – Paper/documents, hard drives, off-spec or out-dated goods, pharmaceuticals, electronics, plastic parts, etc.
- Waste Treatment/Alternative Disposal – Medical waste, radioactive materials, organics, paper fibers, MSW, industrial waste, etc.

QUAD® models

<table>
<thead>
<tr>
<th>Model</th>
<th>Cutting chamber (W x L)</th>
<th>Hopper opening (W x L)</th>
<th>Optional length</th>
<th>HP Range</th>
<th>Screen hole size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q55</td>
<td>35” x 31” (900mm x 785mm)</td>
<td>56” x 51” (1430mm x 1290mm)</td>
<td>40” (1025mm)</td>
<td>50 - 60 (38-43kW)</td>
<td>3/4” - 6” (20-150mm)</td>
</tr>
<tr>
<td>Q70</td>
<td>44” x 40” (1125mm x 1025mm)</td>
<td>72” x 67” (1825mm x 1700mm)</td>
<td>52” (1315mm)</td>
<td>80 - 100 (60-75kW)</td>
<td>3/4” - 6” (20-150mm)</td>
</tr>
<tr>
<td>Q85</td>
<td>54” x 52” (1380mm x 1315mm)</td>
<td>81” x 79” (2055mm x 2010mm)</td>
<td>63” (1610mm)</td>
<td>120 - 150 (90-113kW)</td>
<td>1” - 6” (25-150mm)</td>
</tr>
</tbody>
</table>
**Q100**

- **Cutting chamber** (W x L): 62” x 63” (1565mm x 1610mm)
- **Hopper opening** (W x L): 86” x 87” (2190mm x 2210mm)
- **Optional length**: 75” (1900mm)
- **HP Range**: 250 - 400 (188-300kW)
- **Screen hole size**: 1 1/4” - 8” (32-200mm)

**Q140**

- **Cutting chamber** (W x L): 82” x 75” (2075mm x 1905mm)
- **Hopper opening** (W x L): 113” x 108” (2875mm x 2745mm)
- **Optional length**: 98” (2489mm)
- **HP Range**: 400 - 600 (300-450kW)
- **Screen hole size**: 2” - 8” (50-200mm)

**DESIGN features**

- **HOPPERS**: Application-specific feed hoppers available, including patented ram feed assist.
- **SELF-CLEANING DESIGN**: The lower and upper shafts sweep each other as well as the screen, reducing material build-up.
- **PATENTED ACLS™**: SSI’s “Advanced Cutter Locking System” maintains a tight cutter stack, minimizing maintenance requirements and prolonging cutter life.
- **REMOVABLE SCREEN**: The “slide-out” screen can be easily removed and replaced, allowing users to change output sizes.
- **LOWER CUTTERS**: Bi-directional cutters process material when moving in either direction, eliminating “lost production” during shaft reversals.
- **UPPER CUTTERS**: These pierce-point cutters facilitate recirculation of shredded material and increase the number of cuts per shaft revolution. More cutting action = more throughput.
- **MULTIPLE DRIVE CONFIGURATIONS**: Electric, hydraulic and SmartDrive™ options available to suit specific needs.
- **SEAL & BEARING PROTECTION**: Proprietary “multiple-barrier” system, including a combination of conventional and labyrinth seals to prevent contamination.
- **PATENTED SSP™**: SSI’s “Severe Shock Protection” system protects the drive system from damage during an event that instantaneously stops shredder shafts. (electric models only)

**HOPPERS**

Application-specific feed hoppers available, including patented ram feed assist.

**SELF-CLEANING DESIGN**

The lower and upper shafts sweep each other as well as the screen, reducing material build-up.

**PATENTED ACLS™**

SSI’s “Advanced Cutter Locking System” maintains a tight cutter stack, minimizing maintenance requirements and prolonging cutter life.

**REMOVABLE SCREEN**

The “slide-out” screen can be easily removed and replaced, allowing users to change output sizes.

**LOWER CUTTERS**

Bi-directional cutters process material when moving in either direction, eliminating “lost production” during shaft reversals.

**UPPER CUTTERS**

These pierce-point cutters facilitate recirculation of shredded material and increase the number of cuts per shaft revolution. More cutting action = more throughput.

**MULTIPLE DRIVE CONFIGURATIONS**

Electric, hydraulic and SmartDrive™ options available to suit specific needs.

**SEAL & BEARING PROTECTION**

Proprietary “multiple-barrier” system, including a combination of conventional and labyrinth seals to prevent contamination.

**PATENTED SSP™**

SSI’s “Severe Shock Protection” system protects the drive system from damage during an event that instantaneously stops shredder shafts. (electric models only)
SSI Shredding Systems has provided effective solutions for a wide array of shredding applications from hazardous waste to tire shredding, from metals to plastic and from demolition debris to e-scrap. SSI’s goal is to help you find the right solution to fit your goals and needs.

If you need to shred something and don’t know if it’s possible, call SSI to find out. In fact, you can send a sample to test shred.