PULP AND PAPER MILL WASTE SHREDDING

SSI offers a variety of low-speed, high-torque shredding solutions for pulp and paper mill materials processing to increase mill efficiency.

SSI designs and manufactures a variety of high-capacity shredding solutions specially suited for paper shredding and pulp mill materials processing. With SSI’s low-speed, high-torque technologies, pulp and paper mills are able to increase overall mill efficiency by reducing waste volume and lowering fuel, storage and transportation/disposal costs. SSI custom engineers the most effective size reduction solutions specific to the application.

MODEL RECOMMENDATIONS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>INFEED DIMENSIONS</th>
<th>HP RANGE</th>
<th>BALE BREAKER THROUGHPUT</th>
<th>MIXED WASTE THROUGHPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>M85</td>
<td>35&quot; x 52&quot; (890 x 1315mm)</td>
<td>100-150</td>
<td>N/A</td>
<td>1-4 tph</td>
</tr>
<tr>
<td>M100</td>
<td>41&quot; x 63&quot; (1040 x 1610mm)</td>
<td>150-200</td>
<td>10-20 tph</td>
<td>3-6 tph</td>
</tr>
<tr>
<td>M120</td>
<td>45&quot; x 75&quot; (1145 x 1905mm)</td>
<td>150-300</td>
<td>15-30 tph</td>
<td>5-8 tph</td>
</tr>
<tr>
<td>M140</td>
<td>52&quot; x 75&quot; (1320 x 1905mm)</td>
<td>300-400</td>
<td>20-40 tph</td>
<td>7-10 tph</td>
</tr>
<tr>
<td>M160</td>
<td>64&quot; x 101&quot; (1625 x 2555mm)</td>
<td>300-600</td>
<td>20-40 tph</td>
<td>8-12 tph</td>
</tr>
</tbody>
</table>

Throughput and particle size vary depending upon cutter configuration and type of material. Consult SSI for recommendations on your specific application.

TYPICAL SHREDDING APPLICATIONS

PRE-INCINERATION SHREDDING
Shredded paper is easier to handle and meter-feed into an incinerator and burns more thoroughly and rapidly.

BALE BREAKING OR PREPROCESSING
Shredding bales prior to pulping delivers consistently sized and metered material which can increase pulper capacity while lowering energy and maintenance costs. Reduced pulper slamming means fewer repair and maintenance issues.

PULPING APPLICATIONS
SSI shredders are ideal for shredding baled paper and cardboard prior to hydropulping.

VOLUME REDUCTION
Shredding can reduce waste volume to facilitate material handling, reduce storage requirements and lower transportation and/or disposal costs.

FUEL PREPARATION
Shred in-plant waste into cost-effective boiler fuel.

PRODUCT DESTRUCTION AND RECLAMATION
SSI builds mobile or stationary shredders for destroying returned, misprinted, or outdated books and publications as well as for paper product destruction for security and recycling purposes.

Typical pulp and paper mill materials processed:
- Rag rope
- Baled corrugated (OCC) or newsprint (ONP)
- Pulver waste
- General in-plant waste
- Paper rolls/fiber cores

Typical materials:
- Wire
- Slabs
- Pallets
- Packaging materials (shrink wrap, banding, etc.)
- Scrap raw fibers and wood