Overview

Applications
The SmartRING Strander cuts tree length or batch fed logs into strands for OSB production. Logs are clamped in place while the carriage mounted Strander extends into the cutting chamber. Knives mounted within the inner periphery of the ring strand the logs contained within the chamber.

Features
- Patented Automated Cutting Speed Feedback
- Patented Ring Removal
- Automated Knife Clamping / Release and Removal
- Patented Disposable Knife System
- Automated Safety Anvil Sensor

Benefits
- Consistent strand quality due to real time motion adjustment
- Ring change outs completed in less than 10 hours
- Reduce the likelihood of improperly installed knives
- Increased knife life and improved strand thickness
- Maximize the safety of the machine

Featuring:
- S tandard
- M anagement
- A ccomplished in
- R eal
- T ime

Technology
**Machine Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Cutting Knives:</td>
<td>48 knives</td>
</tr>
<tr>
<td>Ring &amp; Assembly wt:</td>
<td>9,000 kg</td>
</tr>
<tr>
<td>Ring RPM:</td>
<td>334 rpm</td>
</tr>
<tr>
<td>Ring &amp; Arbor wk²:</td>
<td>17,500 kg-m² @ ring rpm</td>
</tr>
<tr>
<td>Motor Size:</td>
<td>1,100 kW Pine to 1,3500 kW Hardwoods</td>
</tr>
<tr>
<td>Drive Type:</td>
<td>Power band v-belts</td>
</tr>
<tr>
<td>Approx Total wt:</td>
<td>60,000kg</td>
</tr>
</tbody>
</table>

**32/88 SmartRING Strander**

*Cycle Times in Seconds for 0.65mm Thick Strand*

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load</td>
<td>2.4</td>
</tr>
<tr>
<td>Clamp</td>
<td>2.2</td>
</tr>
<tr>
<td>Cutting</td>
<td>11.0</td>
</tr>
<tr>
<td>Return</td>
<td>4.3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>19.9</strong></td>
</tr>
</tbody>
</table>

**SmartRing Strander c/w Batch Feeder System**

Kadant is a leading global supplier of products and services that improve productivity and quality in paper production and other process industries. For the nearest location and contact, visit our Website.

**Contact us:**

KADANT CARMANAH DESIGN
Unit #8 - 15050 - 54A Avenue
Surrey, BC Canada V3S 5X7
Tel: +1-604-299-3431
Fax: +1-604-299-1310
Email: info.carmanah@kadant.com

Kadant Carmanah 32/88 SmartRING Strander
Typical Capacity - Pine

- Average SG: 0.46
- Batch Feed: 5.35m
- Duty Factor: 0.875
- Fill Factor: 0.50
- Utilization: 0.90

Contact us:

KADANT CARMANAH DESIGN
Unit #8 - 15050 - 54A Avenue
Surrey, BC Canada V3S 5X7
Tel: +1-604-299-3431
Fax: +1-604-299-1310
Email: info.carmanah@kadant.com