circular looms

LSL series | Leno

Excellent Weaving Quality
Operator Friendly Design
Low Energy Consumption
Low Maintenance Cost
The high performance circular looms weave tubular or flat fabric from PP or HDPE tapes. These looms are designed to weave light to heavy fabrics suitable for the variety of end applications.

4 Shuttle Loom
Designed for open mesh (leno weave) tubular fabric for packaging of perishable fruits/vegetables.

6 Shuttle Loom
Designed to cater vast range of applications like packaging of cement, fertilizers, polymer granules, chemicals, seeds, husk, animal feed etc. The 6 shuttle looms are also available for weaving of wider width fabrics for applications like jumbo bags (FIBC’s), packaging fabric, lumber wrap and other similar applications.

8 & 10 Shuttle Loom
Designed for production of wide width fabrics for jumbo bags (FIBC’s), tarpaulins, geotextiles, agro textiles etc.

OPTIONAL EQUIPMENTS
- Positive warp in-feed system (Load cell / Torque motor)
- Fabric slitting device (Thermal / Ultrasonic)
- Fabric unfolding device
- Additional fabric surface winder (standard / wider width)
- Loom Data Monitoring system

FOR SPECIFIC MODELS
- Gussetting device
- Warp reinforcement compensation
- Anti-slip weaving kit
- Double deck compensation
- Conversion kit - leno to plain weave and vice-versa

INLET DRIVE
Positive Warp In-feed System having motors with load cell control regulates the tension of warp tapes on the inlet roller by controlling its speed. Desired warp tension can be adjusted depending on fabric/tape specs to improve fabric quality.
MACHINE CONTROLLER

**Microprocessor Based Control System**

- Used for setting and adjusting various machine parameters. The detailed information viz. shift wise as well as cumulative production, efficiency, actual running time with warp/weft breakages and weft end incidents, can be obtained for evaluating loom performance.

LOOM DATA MONITORING SYSTEM

- LDMS can be installed on a group of looms running with Microprocessor based control system, and collects data online to facilitate an analysis of running status, actual production, warp/weft breakages, weft end incidents, break downtime etc. of individual machine/machines on the network on a daily, weekly or monthly basis.

<table>
<thead>
<tr>
<th>Working Width - Double Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 to 250 cm</td>
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</table>

<table>
<thead>
<tr>
<th>Weft Insertion Rate (max.)</th>
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</thead>
<tbody>
<tr>
<td>425 to 900 ppm*</td>
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</table>
## LSL series | Leno

<table>
<thead>
<tr>
<th></th>
<th>Leno 4</th>
<th>LSL 6</th>
<th>LSL 610</th>
<th>LSL 620</th>
<th>LSL 8</th>
<th>LSL 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Width - Double Flat</td>
<td>25 to 80 cm</td>
<td>30 to 90 cm</td>
<td>65 to 110 cm</td>
<td>85 to 140 cm</td>
<td>150 to 200 cm</td>
<td>195 to 250 cm</td>
</tr>
<tr>
<td>No. of Shuttles / Loom</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Weft Insertion Rate (max.)</td>
<td>425 ppm*</td>
<td>900 ppm*</td>
<td>740 ppm*</td>
<td>700 ppm*</td>
<td>660 ppm*</td>
<td>625 ppm*</td>
</tr>
<tr>
<td>Warp / Weft Core Internal Diameter</td>
<td>35 mm**</td>
<td>35 mm**</td>
<td>35 mm**</td>
<td>35 mm**</td>
<td>35 mm**</td>
<td>35 mm**</td>
</tr>
<tr>
<td>Warp / Weft Core Length</td>
<td>218 mm**</td>
<td>218 mm**</td>
<td>218 mm**</td>
<td>218 mm**</td>
<td>218 mm**</td>
<td>218 mm**</td>
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<tr>
<td>Warp Bobbin Diameter (max.)</td>
<td>130 mm**</td>
<td>130 mm**</td>
<td>130 mm**</td>
<td>130 mm**</td>
<td>130 mm**</td>
<td>130 mm**</td>
</tr>
<tr>
<td>Weft Bobbin Diameter (max.)</td>
<td>115 mm</td>
<td>115 mm</td>
<td>115 mm</td>
<td>115 mm</td>
<td>115 mm</td>
<td>115 mm</td>
</tr>
<tr>
<td>No. of Tapes (LF / HF)</td>
<td>576</td>
<td>720</td>
<td>1080</td>
<td>1296</td>
<td>1568 / 2240</td>
<td>1792 / 2560</td>
</tr>
<tr>
<td>Fabric Roll Diameter (max.)</td>
<td>1200 mm</td>
<td>1200 mm</td>
<td>1200 mm</td>
<td>1200 mm</td>
<td>1200 mm</td>
<td>1200 mm</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>LF</td>
<td>HF</td>
<td>9.2x2.8x3.1 m</td>
<td>9.7x2.8x3.1 m</td>
<td>12.1x3.1x4.3 m</td>
<td>12.9x3.2x4.4 m</td>
</tr>
<tr>
<td>Centre to Centre</td>
<td>2.2 m</td>
<td>2.2 m</td>
<td>2.5 m</td>
<td>2.7 m</td>
<td>3.7 m</td>
<td>4.0 m</td>
</tr>
</tbody>
</table>

LF version for light fabrics and HF version for heavy fabrics.
* Actual speed depends upon reed version, fabric width, construction, tape specifications, quality of tapes and winding.
** Special versions on request.
Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.
Extreme values indicated are not achievable simultaneously.
The pictures may show LF or HF version or optional equipments that are not a part of the standard supply.
For details, refer to the quotation.

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