Double sided Ring Twisting machine is manufactured by TWISTECHNOLOGY, with materials that avoid friction to keep intact the quality and properties of the yarn. The machine can be extended in the future with more modules.

Patented special system of transmission through timing belt and individual motor for every 2 spindles. This system assures maximum speed, no yarn slippage with big capacity bobbins, efficient operation and minimum maintenance. Twist mechanical guarantee.

Maximum spindle speed: 7,500 rpm mechanical. Real production speed depends on the kind of yarn (material and count).

Twist is guaranteed mechanically through the special system of transmission and electrically through a system of speed regulators. TWISTECHNOLOGY guarantees their unique “Total Twist Quality”. Patented special system

Individual drive rollers per spindle with a press roller with a “no-slippage” system. One motor drives 2 positions.

Full control through micro-controller. All changes are made through the touch screen and keyboard. No need to change any mechanism or gearing.

Individual (every 2 sp) meter counter to avoid waste and to increase efficiency. Automatic spindle-stop when the predefined production is reached. We provide exact number of meters in each bobbin.

Patented cyclical winding system with 5 different bobbin shapes: double flange, conical, double conical and others, maximum bobbin height of 450 mm. Patented special system

Rings by multi-capillarity, psm or other systems.

Automatic stop of the machine when all spindles are stopped for more security and to save energy.

You can define a range of twists between 8 and 500 turns/meter.

Pressure pump can be programmed to lubricate the ring. The lubrication can be programmed in quantity, frequency and volume to adapt it perfectly to each kind of yarn. It is equipped with an individual manual valve for each spindle.
### TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>TECHNICAL FEATURES</th>
<th>units</th>
<th>RING DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ring diameter</td>
<td>mm.</td>
<td>120 140 160 180 200 250</td>
</tr>
<tr>
<td>Gauge</td>
<td>mm.</td>
<td>180 180 225 225 300 300</td>
</tr>
<tr>
<td>Spindles per module</td>
<td>---</td>
<td>10x2 10x2 8x2 8x2 6x2 6x2</td>
</tr>
<tr>
<td>Max. Number spindles</td>
<td>---</td>
<td>200 200 160 160 120 120</td>
</tr>
<tr>
<td>Max. Mechanical spindle speed</td>
<td>rpm</td>
<td>7500 7500 6500 6500 6250 5900</td>
</tr>
<tr>
<td></td>
<td>m/min</td>
<td>150</td>
</tr>
</tbody>
</table>

Dimensions: Headstock length: 600mm, Length of each module: 1.800mm, End module length: 200mm, Total length 1 module: 2.600mm, Width: 1.238mm, Height: 2.135mm

### BOBBIN SHAPE
- h, c: can be programmed

### BOBBIN BUILDING

#### OPTIONALS:
- TRAVERSE FEED: Increases front rollers lifetime due to slow transversal movement while feeding
- UNI-OIL: Dosing control ring oil
- TWISTPERFECT: Perfect mechanical and electronical twist (PATENTED SYSTEM)
- TWISTDATA: Remote control of production data through PC
- INTERNET CONNECTION: Service remote technical assistance

#### ADDITIONAL COMPONENTS:
- CREEL: Special designs creels filé or roule for all kind of bobbins according customer’s requirements
- TRAVELLERS: All type of travellers available
- BOBBINS: All type of bobbins, tubes, spools and double flanged bobbins available
- RING OIL: Lubricating oils for rings and other components
- YARN BREAK DETECTORS: Different types of yarn break detectors available
- YARN TENSION CONTROL: Different types of yarn tension detectors available
- COVERING AND WRAPPING DEVICES: Special accessories for coating interior alms