Maximum quality in twisting technical yarns

- Maximum speed 200 m/min feed rate.
- Twist quality: automatic self-control and adjustment system to ensure perfect twisting.
- Maximum capacity: bobbins of up to 600 mm in height and 53 liters capacity.
- Fully electronic: all the changes are made by touchscreen.
- 100% flexible machine: the whole machine may work on the same product or independent spindles used to optimize production of small jobs and test runs.
- Individual stop by output meters for every two spindles.
- Constructed from materials which reduce friction to a minimum while maintaining the quality and properties of the yarn. Specially designed for twisting technical and delicate yarns.
- Direct on-screen display and adjustment of all parameters.
- Possibility of programming different speeds to optimize production during the different phases throughout bobbin building process, respecting differences in tension and the balloon effect.
- Memory: the data for each product is stored in memory for fast repetitions of any job.
- All doors and safety devices according to CE requirements.
- Adaptation to the Customer supplied bobbins or the bobbins required for the following process.
- Adaptation of any option available in the market.
<table>
<thead>
<tr>
<th>Technical features</th>
<th>units</th>
<th>TDM 16/140</th>
<th>TDM 14/160</th>
<th>TDM 12/200</th>
<th>TDM 10/250</th>
<th>TDM 8/300</th>
<th>TDM 6/400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of spindles</td>
<td>-</td>
<td>16</td>
<td>14</td>
<td>12</td>
<td>10</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>Gauge</td>
<td>mm.</td>
<td>180</td>
<td>215</td>
<td>250</td>
<td>300</td>
<td>375</td>
<td>500</td>
</tr>
<tr>
<td>Ring diameter</td>
<td>mm.</td>
<td>140</td>
<td>160</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>400</td>
</tr>
<tr>
<td>Max. Mechanical feed speed</td>
<td>m/min.</td>
<td></td>
<td></td>
<td></td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Mechanical spindle speed</td>
<td>rpm</td>
<td>7500</td>
<td>7500</td>
<td>6500</td>
<td>5500</td>
<td>4000</td>
<td>3500</td>
</tr>
<tr>
<td>Machine dimensions</td>
<td>mm.</td>
<td>Long: 3.8m</td>
<td>Large: 1.3m</td>
<td>Height: 2.05m</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Yarn

| Shape and dimensions of bobbins | - | Any kind of shape package |
| Number of yarns to be plied | - | Unlimited |
| Twiss range | twist/meter | Any twist between 8 - 750 |

Final bobbin

| Bobbin shape | - | Double flange, bottle, biconical. Adaptation to the customer bobbins |
| Max. Ring holder traverse | mm. | 600 |
| Maximum capacity | litres | 4.5 | 6.5 | 12 | 18 | 28 | 53 |

**Options**

TRAVERSE FEED: Increases front rollers livetime due to slow transversal movement while feeding
UNI-OIL: Dosing control ring oil
TWISTPERFECT: Perfect mechanical and electronical twist (PATENTED SYSTEM)
INDIVIDUAL FRONT ROLLERS: Allows more flexibility in production
DOFFING: Individual or global doffing system for heavy bobbins
TWISTDATA: Remote control of production data through PC
INTERNET CONNECTION: Service remote technical assistance
SIMPLE TRANSMISSION: One motor two/four spindles for cost reduction
TWIST MOTOR: individual motor spindle
INDIVIDUAL SECTION: Two machines in one, Independent front rollers

**Additional components**

CREEL: Special designs creels filé or roulé for all kind of bobbins according customer’s requirements
TRAVELLERS: All type of travellers available
BOBBINS: All type of bobbins, tubes, spools and doublé 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 alsms
COPLIFTER: Special doffing device for textile spinning tubes

The technology used in this product is protected by appropriate international patents.
TWISTECHNOLOGY reserve the right to modify the dimensions and the technical details of the machine, without notice.