High speed warp knitting machine with double needle bed for sportswear accessories and technical articles
WARP Knitting Machine with Double Needle Bed for the Production of Sportswear Accessories and Technical Articles

**General Features**

The machine is equipped with:

- 3-roller feeder for non-elastic threads, with mechanical control
- Differential 3-roller feeder for non-elastic threads, with mechanical control
- Electronic speed variator INVERTER
- Shock absorber feet
- Warning light
- Work area safety device
- Finished product take-down rollers
- Automatic stop motions for incorrect product winding onto the rollers

- Automatic stop motions for thread breaks or empty cones
- Reed unit for oscillation thread guiding
- Standard supply package of consumables and accessories

Two needle beds and the guide bars enable the production of double face structures, i.e. both sides of the fabric look identically. The distance between the two needle beds is adjustable up to a maximum of 9mm.

**User Benefits**

- Best consistency fabrics, difficult to obtain on single-needle bed machinery for traditional fabrics
DNB/600-2B

- Very high productivity thanks to the operating speed along with the low stitch density value required by fabrics produced
- Higher efficiency: compact design and reduced working width enabling fast article change overs for small and long runs

APPLICATIONS
Wide range of articles, such as:
- Outerwear (scarves)
- Sportswear (ribbons applied to fabrics as binding)
- Fabrics for technical uses

ON REQUEST
- Customized devices for rolling up or plaiting the fabric outside of the machine
- Some products require thermofixation to be applied to the machine

ALTERNATIVE TECHNOLOGIES FOR WARP KNITTING MACHINES WITH SINGLE AND DOUBLE NEEDLE BED

- **DNB/EL-800-8B**
  Electronic double needle bed warp knitting machine for underwear, outerwear, footwear, and for technical and medical uses

- **SNB/EL-800**
  Electronic warp knitting machine with single needle bed and a sinker bar, for the production of articles for outerwear, for technical and medical uses

- **DNB/EL-32-12B**
  Electronically controlled warp knitting machine with double needle bed for technical and garment textiles

- **CDK80**
  Easy access electronic warp knitting machine with double needle bed for the production of technical textiles and garment articles
TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Gauge (n.p.i.)</th>
<th>5</th>
<th>10</th>
<th>12</th>
<th>15</th>
<th>18</th>
<th>20</th>
<th>22</th>
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<tbody>
<tr>
<td>Number of needle grooves on needle bed</td>
<td>120</td>
<td>240</td>
<td>284</td>
<td>352</td>
<td>425</td>
<td>472</td>
<td>520</td>
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<tr>
<td>Working width</td>
<td>600 mm</td>
<td></td>
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<td>Number of guide bars</td>
<td>2</td>
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<td>Distance between needle beds</td>
<td>1 - 9 mm</td>
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<td>Needle type</td>
<td>latch needles</td>
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<td>Stitch density (on both needle beds)</td>
<td>1 - 20 stitches/cm</td>
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<tr>
<td>Electrical supply mains</td>
<td>200 - 240 / 380 - 440 V, AC, 3-phase + earth</td>
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<td>Main motor power</td>
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<td>Installed power</td>
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</table>

DIMENSIONS

**Width:** 1950 mm

**Depth:** 900 mm

**Height:** 2200 mm

**Net Weight:** 600 kg