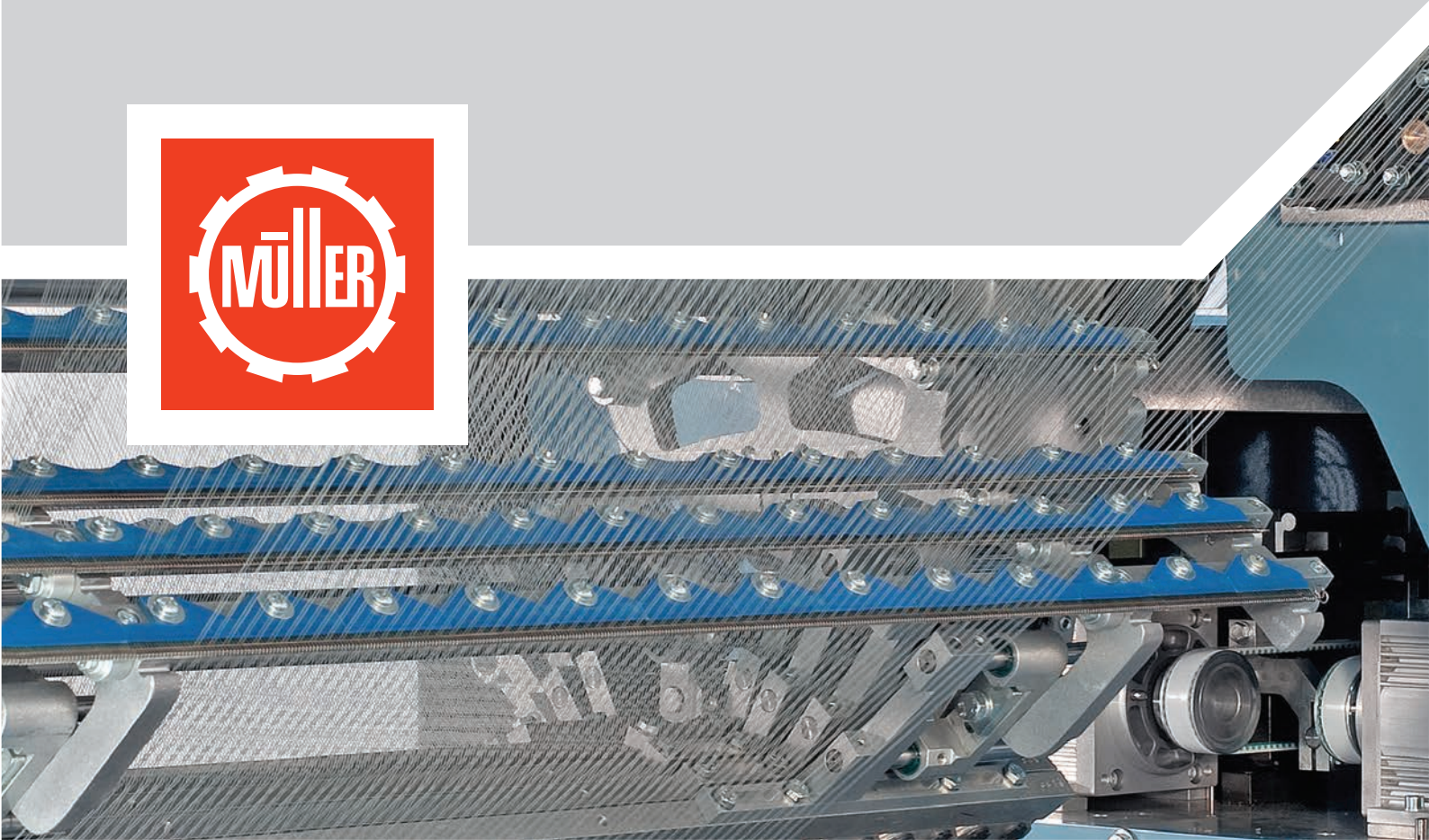


DNB/EL-32-8B • DNB/EL-32-12B

Electronically controlled warp knitting machine
with double needle bed
for the production of technical and garment textiles



A MEMBER OF JAKOB MÜLLER GROUP

DNB/EL-32-8B • DNB/EL-32-12B

ELECTRONICALLY CONTROLLED WARP KNITTING MACHINE WITH DOUBLE NEEDLE BED FOR THE PRODUCTION OF TECHNICAL AND GARMENT TEXTILES

▲ GENERAL FEATURES

The machine is equipped with:

- Safety light curtains, 1 at the front and 1 at the rear of the machine
- Knockover sinker group
- Reed unit for oscillation thread guiding
- Electronic speed variator INVERTER
- Shock absorber feet
- Warning light
- Fabric take-off rollers, with electronic control
- Standard supply package of consumables and accessories

The machine is equipped with 8 or 12 guide bars with electronic control and with 2 knockover bars.

Any type of yarn can be processed according to the machine gauge: natural fibre yarns such as wool and cotton; synthetic yarns; special yarns such as aramid, glass fibre yarns, metallic yarns; high tenacity PP and PES yarns, monofilament yarns, etc.

Programmable electronically driven feeders and take off rollers allow a variable stitch density and tension setting of the elastic yarns in warp and weft within one single product.

COMEZ DNB/EL-32 is equipped with the **DATA CONTROL CONTROLLER**, governing the latest generation of actuators providing excellent dynamic performance and high positioning precision. The **CONTROLLER** manages all required machine functions, monitors production data and allows the realisation of long pattern repeats with a virtually infinite number of stitch rows.

The pattern is programmed by our exclusive COMEZ DRAW 3 or SYSTEM.WIN PC textile software. Pattern data is transferred from a PC to the DATA CONTROL



CONTROLLER on the machine by means of an USB pendrive.

Two needle beds and the guide bars allow the production of double face structures, i.e. both sides of the fabric look identically. The two needle bed technology furthermore allows the production of 3-dimensional structures, like nets in flat or tubular version - both elastic and rigid.

The distance between the two needle beds is adjustable up to a maximum of 20mm.

▲ USER BENEFITS

- Higher efficiency: reduced working width allowing fast article change overs for small and long runs
- Compact machine design with all integrated devices including the beam support
- Fluid movement of the machine's knitting mechanisms

▲ APPLICATIONS

- Technical textiles such as nettings, geo textiles and industrial fabrics)
- Medical textiles such as nettings, bandages, dressings and disposable pants
- Shoe uppers
- Garment textiles

▲ ON REQUEST

The machine can be equipped with:

- Electronic device DLT for long throw up to 560mm on max. 2 weft bars
- LASER STOP device, yarn laser monitoring
- Electronically driven yarn feeders, controlled dependant on the yarn tension when working from beams
- Customized devices for rolling up or plaiting the fabric outside of the machine
- Some products require thermofixation to be applied to the machine

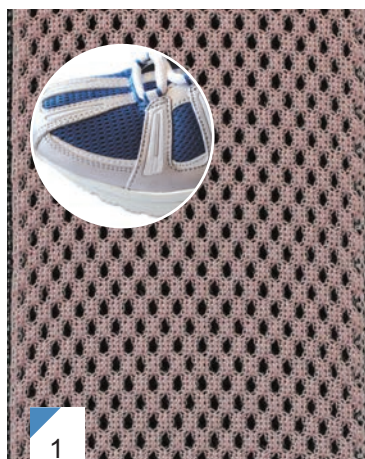
ALTERNATIVE TECHNOLOGIES FOR WARP KNITTING MACHINES WITH DOUBLE NEEDLE BED

▲ DNB/EL-800-8B

Electronic double needle bed warp knitting machine for the production of articles for underwear and outerwear, footwear, and for technical and medical uses

▲ DNB/EL-1270

Electronic double needle bed warp knitting machine for the production of articles for technical and medical uses, footwear, women's apparel and fashion fabrics



▲ PICTURES

- 1-4 Samples and applications for footwear, furnishing, geo-textile and artificial blood arteries
- 5 Beam carriers with electronic control
- 6 12 bars and long-shifting device with electronic control



TECHNICAL SPECIFICATION

| | | | | | | | |
|--|--|-----|-----|-----|-----|-----|-----|
| Gauge (n.p.i.) | 5 | 10 | 12 | 15 | 18 | 20 | 22 |
| Number of needle grooves on needle bed | 160 | 320 | 384 | 480 | 576 | 640 | 704 |
| Working width | 812 mm | | | | | | |
| Number of guide bars | 8 or 12 with electronic control | | | | | | |
| Number of sinker bars | 2 | | | | | | |
| Distance between needle beds | 1 - 20 mm | | | | | | |
| Needle type | latch needles | | | | | | |
| Stitch density (on both needle beds) | 1 - 40 stitches/cm | | | | | | |
| Electrical supply mains | 200 - 240 / 380 - 440 V, AC, 3-phase + earth | | | | | | |
| Main motor power | 4 kW | | | | | | |
| Installed power | 6.575 kVA | | | | | | |

▲ DIMENSIONS OF BASIC MODEL

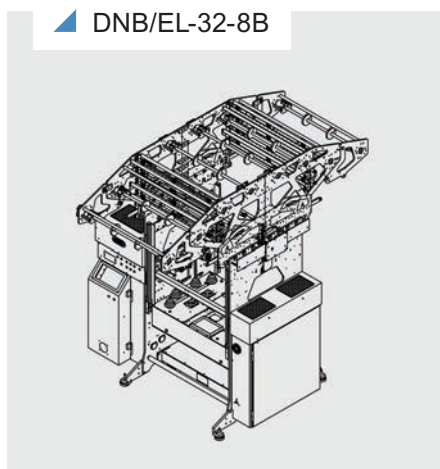
DNB/EL-32-8B

Width: 2100 mm
Depth: 1400 mm
Height: 2700 mm
Net Weight: 2200 kg

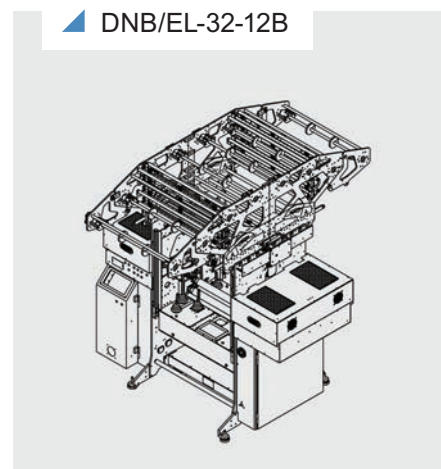
DNB/EL-32-12B

Width: 2730 mm
Depth: 1400 mm
Height: 2700 mm
Net Weight: 2770 kg

▲ DNB/EL-32-8B



▲ DNB/EL-32-12B



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