



BUSI MEDICAL

OVER **60-YEAR**
EXPERIENCE

MANUFACTURING SIMPLY UNIQUE
SOCK-KNITTING MACHINES



100%
designed &
manufactured
in Italy



FEATURES

BUSI MEDICAL is a high production single cylinder sock machine with latch needles in the dial to enable it to produce true rib and plain stitch medical compression socks with compression class 1, 2, 3 and it is provided with full electronic control.

The machine is provided with 2 knitting feeds for both plain stitch and true rib.

The compression graduation is achieved by using the automatic stiffening, which is available on all the stitch motors, and by graduating the tension of the inlaid elastic yarn

The features of the machine are listed in the table below.

TEXTILE POSSIBILITIES

- 1x1 true rib welt
- Double welt
- Possibility to switch from inlay to knit for the elastic in the same course
- Embroidery pattern on a mock rib base 5 colors per course plus the ground
- Embroidery pattern on a mesh base 5 colors per course plus the ground
- Mesh pattern in two feeds
- 1x1, 3x1, 5x1 ecc. true rib fabric

TECHNICAL FEATURES

- Two feeds
- Stitch adjustment by step motors
- Automatic stiffening on each step motor
- Cylinder motion by Brushless motor
- Possibility to store several articles in memory
- Possibility to run a sequence of up to 4 different articles.
- Possibility to modify the programs and/or the machine parameters during knitting
- Programs are loaded through a USB stick or through the network
- UPS power backup system
- Photocell dropout control
- Automatic lubrication
- All shafts work on roller bearings

AVAILABLE OPTIONS

- RIMAGLIO device for the classic linking
- Clamp for bare lycra
- Device for the second elastic yarn
- Storage feeders
- Positive yarn feeders mod. ULTRAFEEDER (BTSR)
- BTSR yarn flow sensors
- Anti-twist device
- Suction fan
- Vertical or horizontal yarn rack
- Ethernet network connection (wired or wireless)
- Production monitoring programme BUSI CONTROL TOWER
- Pattern and article development programme (ART-GEN)

TECHNICAL DATA

- Diameters: 4", 4 1/2", 5"
- Needles: 200 - 400
- Available gauges: 54, 70
- Max. mechanical speed: 220 rpm
- Speed in heels: 200 courses pm
- Weight 420 kg
- Technical dimensions cm 125 x 155 x 245
- Technical dimensions (+ Rimaglio) cm 135 x 155 x 275

4"	200	320
4 1/2"	226	360

5"	320	400
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