

PLAIN ~ TERRY

BROAD RIB



BUSI 500 DOPPIO

OVER **60-YEAR**
EXPERIENCE

MANUFACTURING SIMPLY UNIQUE
SOCK-KNITTING MACHINES



100%
designed &
manufactured
in Italy

www.busigiovanni.com



FEATURES

BUSI 500 DOPPIO is a single cylinder sock knitting machine with latch needles in the dial having the possibility of knitting socks with broad rib and terry.

Thanks to the latch needles in the dial and thanks to a patented method, this machine allows in fact the production of socks with true rib 2x2, 4x2, 6x2 etc.

The terry device enables the machine to produce sandwich terry and to fully automatic switch from plain stitch to half terry and to full terry. The features of the machine are listed in the table below. in the table below.

TEXTILE POSSIBILITIES

- 1x1 true rib welt
- Double welt
- Embroidery pattern 3 colours plus the ground
- Embroidery pattern on a mock rib base 2 colours per course plus the ground
- Embroidery pattern on a mesh base 2 colours per course plus the ground
- True rib after double welt
- 1x1, 3x1, 5x1 etc. true rib fabric
- 2x2, 4x2, 6x2 etc.

TECHNICAL FEATURES

- 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
- Device for the second elastic yarn
- Device for footie sock
- Storage feeders
- Positive yarn feeders mod. ULTRAFEEDER (BTSR)
- BTSR yarn flow sensors
- 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: 5"
- Needles: 52 - 80
- Available needle gauges: 6
- Max. mechanical speed: 180 rpm
- Speed in heels: 160 courses pm
- Weight 420 kg
- Technical dimensions cm 125 x 155 x 245
- Technical dimensions (+ Rimaglio) cm 135 x 155 x 275

