

PLAIN ~ TERRY

TRUE RIB



BUSI 1958®

BUSI 500

OVER **60-YEAR**
EXPERIENCE

MANUFACTURING SIMPLY UNIQUE
SOCK-KNITTING MACHINES



100%
designed &
manufactured
in Italy

www.busigiovanni.com



FEATURES

BUSI 500 is a single cylinder sock machine with latch needles in the dial to enable it to produce heavy gauge sport socks with true rib and terry and it is provided with full electronic control. The machine is equipped with striping unit on both feeds (6+5 feeders) and with a terry device that allows knitting the "sandwich type" terry or of the conventional terry (not plated). The change from plain stitch to half terry and full terry is completely automatic. The machine is available in two versions **BUSI 500** and **BUSI 500 S**. The features of the two versions are listed in the table below.

TEXTILE POSSIBILITIES

- 1x1 true rib welt
- Double welt
- Embroidery pattern 4 colors per course plus the ground
- Embroidery pattern on a mock rib base 3 colors per course plus the ground
- Embroidery pattern on a mesh base 3 colors per course plus the ground
- Mesh pattern in two feeds
- Two colour jacquard patterns on a flat knit base 2 colors per course + 3 embroidery colors
- Two colour jacquard patterns on a true rib base
- 1x1, 3x1, 5x1 ecc.. true rib fabric
- Shaped reinforcement

TECHNICAL FEATURES

- Two feeds (also available with one feed only, in the version "S")
- 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 - 112
- Higher needle count available with 3 colors, instead of 4.
- 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

5"	52	112
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