

PLAIN ~ TERRY

TRUE RIB



BUSI 1958[®]

BUSI TWIN LAYER

OVER **60-YEAR**
EXPERIENCE

MANUFACTURING SIMPLY UNIQUE
SOCK-KNITTING MACHINES



100%
designed &
manufactured
in Italy

www.busigiovanni.com



FEATURES

BUSI TWIN LAYER is a high production single cylinder sock machine with latch needles in the dial that enable it producing technical sport socks with twin fabric. The machine is provided with a patented device that uses the dial needle for the production of an internal layer and the cylinder needles for the production of the external layer.

The two fabrics that form the sock are knitted contemporarily and can be joined at which, they merge in one only fabric at the welt at the heel and at the toe of the sock. This way the two fabrics cannot slide one onto the other.

The above feature, added to the fact that of course the two fabrics can be knitted using different fibers and that the machine is provided with a device for the selected terry, gives the possibility to produce "technical socks" having textile features that were not possible until today. This fact, in addition to the possibility to have the double layer in only certain parts of the sock (only foot or only sole) will offer to the users of this machine the possibility to knit highly innovative products. In addition to this, in case of patterned socks, the yarn ends that normally are inside the sock will be "packed" in between the two layers thus ensuring a better comfort and a perfect wearing of the sock.

The terry device enables the machine knitting the sandwich terry and the normal terry even in the same sock without any mechanical change. It also enables the fully automatic switching from plain stitch to half terry and to full terry. The features of the machine are listed in the table below.

TEXTILE POSSIBILITIES

- 1x1 true rib welt
- Double welt
- Embroidery pattern 5 colors per course plus the ground
- Embroidery pattern on a mock rib base
 - 5 colors per course plus the ground (on single layer sock only)
 - 4 colors per course plus the ground (on double layer sock)
- Embroidery pattern on a mesh base
 - 5 colors per course plus the ground (in single layer sections only)
 - 4 colors per course plus the ground (in double layer sections)
- 1x1, 3x1, 5x1 ecc.. true rib fabric
- Selected terry with additional embroidery pattern 5 colors per course plus the ground

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
- Device for second color elastic (sock without pouch)
- Storage feeders
- Kit for pattern in heel and toe
- 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, 4½"
- Needles: 72 - 156
- Available gauges: 24, 36
- Max. mechanical speed: 220 rpm
- Speed in heels: 220 courses pm
- Weight 420 kg
- Technical dimensions cm 125 x 155 x 245
- Technical dimensions (+ Rimaglio) cm 135 x 155 x 275

4"	72	132	4 ½"	96	156
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