

GOLD LINE

PLAIN ~ TRUE RIB ~ TERRY



Simply Unique Sock-knitting Machines

BUSI® 500

OVER 65-YEAR
EXPERIENCE



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 terry. The change from plain stitch to half terry and full terry is completely automatic. The machine is available with one feed or with 2 feeds. The features of the two versions are listed in the table below.

TEXTILE POSSIBILITIES

1 - feed machine	2 - feed machine
1x1 true rib welt	1x1 true rib welt
Double welt	Double welt
Pattern on plain knit: 3 colours per course plus the ground	Pattern on plain knit: 4 colours per course plus the ground
Pattern on laid-in elastic: 2 colours per course plus the ground	Pattern on laid-in elastic: 2 colours per course plus the ground
Pattern on mesh: 2 colours per course plus the ground	Pattern on mesh: 3 colours per course plus the ground
Mesh pattern	Mesh pattern
	2 colour jacquard patterns on a flat knit base + 3 pattern colours
	2 colour jacquard patterns on a true rib base
Sandwich terry with additional pattern: 3 colours per course plus the ground	Sandwich terry with additional pattern: 4 colours per course plus the ground
Shaped reinforcement	Shaped reinforcement
1x1, 3x1, 5x1 etc... true rib fabric	1x1, 3x1, 5x1 etc... true rib fabric

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

TECHNICAL DATA

- Diameters: 5"
- Needles: 52 - 112
- Available needle gauges: 1.5 mm
- 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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AVAILABLE OPTIONS

- Two feeds
- RIMAGLIO device for the Classic Linking
- Device for the second elastic yarn (available only on 2-feedmachine, enables 3rd color)
- Universal sinker cap for normal/sandwich terry
- 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)

