

BUSI® 500

OVER 65-YEAR EXPERIENCE







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

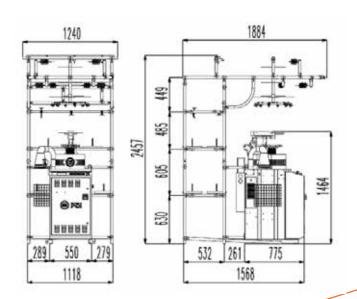
• Technical dimensions cm $125 \times 155 \times 245$

• Technical dimensions (+ Rimaglio) cm $135 \times 155 \times 275$

5" 52 112

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)



Busi® accepts no liability deriving from improper use of the machinery. The features described in this leaflet are for information only and might be changed without prior notice. The working parameters (e.g. maximum speed) may vary depending on yarn, knitting, lubrication etc