

GOLD LINE

PLAIN ~ TRUE RIB ~ SELECTED TERRY



*Simply Unique Sock-knitting Machines*

# BUSI® TWIN LAYER

OVER 65-YEAR  
EXPERIENCE



100%  
designed &  
manufactured  
in Italy

[www.busigiovanni.com](http://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 to produce an internal layer and the cylinder needles to produce 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 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 **fully automatic switching from plain stitch to half terry and to full terry**. The features of the machine are listed below.

## TEXTILE POSSIBILITIES

1x1 true rib welt	Pattern on mesh: 2 colours per course plus the ground + inner layer
Double welt	Mesh pattern
Pattern on plain knit: 3 colours per course plus the ground + inner layer	Selected terry with additional embroidery pattern 3 colors per course plus the ground + inner layer
Pattern on laid-in elastic: 3 colours per course plus the ground + inner layer	1x1, 3x1, 5x1 ecc.. true rib fabric

## TECHNICAL FEATURES

- One feed
- 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
- Storage feeders
- Kit for pattern in heel and toe
- 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 program BUSI® CONTROL TOWER
- Pattern and article development program (ART-GEN)

## TECHNICAL DATA

- Diameters: 4", 4½"
- Needles: 144 - 156
- Available gauges: 36
- Max. mechanical speed: 200 rpm
- Speed in heels: 180 courses pm
- Weight 420 kg
- Technical dimensions cm 125 x 155 x 245
- Technical dimensions (+ Rimaglio) cm 135 x 155 x 275

4 ½"	144	156
4"	112	156

