

# SOCKS

SINGLE CYLINDER

## HT-50

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Single-cylinder machine with one feed for the production of heavy socks in terry with 4 colors plus ground on the same course. Possibility of knit or laid-in elastic. Thanks to its high technological content, the HT-50 combines productivity and quality with extreme ease of use.

On request: automatic toe-closing by Santoni SbyS device, which uses the “true linking” technology, whose advantages are widely known: the sock is of superior quality in terms of finishing, comfort, durability, compared to that produced with traditional methods.

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MACHINE GAUGE													
Ø - Cylinder diameter					4	5.3	6.1	6.9	7.1	7.6			
5"					64	84	96	108	112	120			
					Needle gauge gg10 (thickness 1.50mm)								

These are indicative data only. Different requests can be confirmed if possible.

## ➤ NUMBER OF FEEDS

1 feed

## ➤ MAX. SPEED

200RPM unidirectional plain mesh (The possible max speed depends on various factors as; yarn, type of knitting, lubricants etc...)

## ➤ CYLINDER SELECTION

N. 5 actuators at 8 levels.

## ➤ SINKER CAP SELECTION

N.1 actuator at 4 levels for the terry sinker selection (on request).

## ➤ YARNFINGERS STATION

N.8 yarnfingers on main feed; n° 2 yarnfingers for the elastic feed ; n°3 yarnfingers on each colour feed.

## ➤ MOTORIZED DIAL LIFT UP

Vertical movement dial lift up device driven by a step motor to change the height knitting. Yarnfinger dial with pneumatic movement.

## ➤ YARN CUTTER SAW

Possibility of yarn cutter saw with mechanical stop. On request: step motor for the rotation speed changeable by programming.

## ➤ TRAPPERS FOR BARE AND COVERED LYCRA

N. 2 for elastic yarn and n°2 for main feed.

## ➤ SUCTION SYSTEM

Suction by fan or central system. Air limiting valve with electronic incremental programming.

## ➤ STITCH FORMATION CAMS

Stitch formation adjustment by independent step motors, loop widening, reducing on single area and /or course; step motor to control cylinder lifting. On board garment sizing adjustable in cm or inches.

## ➤ MAIN KNITTING POSSIBILITIES

Single or double welt with knitting dial jacks ( knit in on request ). The machine can knit till 4 colours patterns plus ground on the same course. Socks in plain mesh, normal terry, sandwich terry, sculptured and patterned terry also with reciprocating movement. 4 colours pattern double welt with tuck stitch.

## ➤ SINKER CAPS

Possibility of two sinker caps to knitting normal or sandwich terry on both rotation ways: Sinker cap for terry. On request step motor to control the angular position. Sinker cap for sculptured terry complete with step motor to control the angular position. This cap is complete with an actuator allowing the sculptured terry on both rotation ways.

● **YARN FEEDERS**

4 positions heel yarn take up device ( on request at 6 positions); Double elastic feeder unit. Dinema Plus, Dinema Gryf, LGL Spin1, BTSR Ultrafeeder2, LGL Eco Power o E-Compact.

● **SENSORS FOR YARNS**

Optical serial sensors ISPY by Dinema.

● **YARNCREEL**

Direct feeding tubolar creel.

● **LUBRICATION**

Pneumatic unit with oil recycling.

● **MACHINE MOVEMENT**

Coaxial Torque motor with cylinder shaft .

● **ELECTRONIC CONTROLLER**

Dinema integrated electronics with quad card for all protected by short circuit exits. Color graphic display with capacitive touch screen.

● **PROGRAMMING**

Patterns and items creation managed by Dinema software Digraph3 Plus.

● **PRODUCTION**

With all types of bare or covered lycra, can be knitted heavy technical and sport socks in plain mesh and terry with 4 colours patterns.

● **NORMATIVE**

The machine meets the CE normatives.

**DISCLAIMER:**

Technical data given in this brochure are for information only. Santoni S.p.A. reserves the right to modify the machine features without forewarning and without the obligation to apply any modification to the machines already installed. Pictures are exemplifying and have not to be regarded as a reference.



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