

SEAMLESS TECHNOLOGY

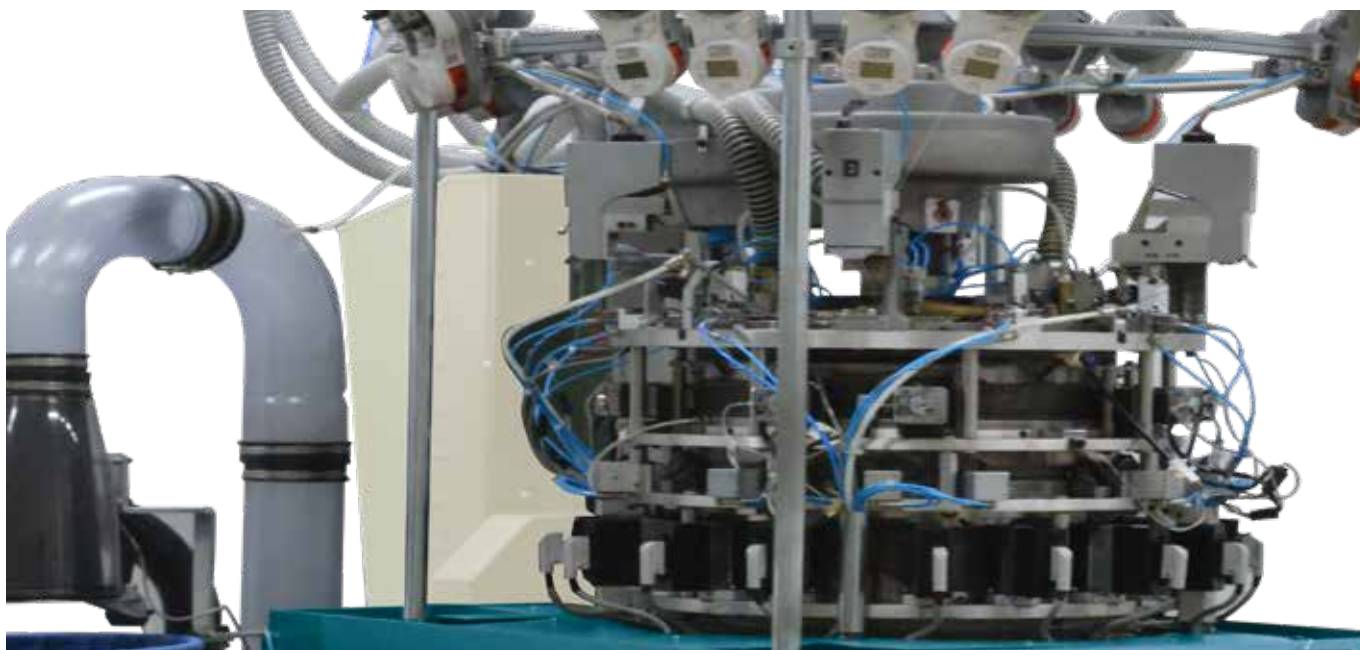
ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

SM4-TL2 SINGLE JERSEY

SEAMLESS TECHNOLOGY

SM4-TL2 SINGLE JERSEY





SEAMLESS TECHNOLOGY

SM4-TL2 SINGLE JERSEY

4 feeds single jersey electronical circular machine with reciprocal movement, 2 selection points per feed and per rotation sense. It knits single seamless garments for underwear, outerwear, swimwear, sportswear, sanitary wear. System patented by **SANTONI** that allows the realization on 4 feeds of patterns having an high definition and sharpness of the color.

SEAMLESS TECHNOLOGY

SM4-TL2 SINGLE JERSEY

DIAMETERS

13" - 14" - 15" - 16" - 17"

MACHINE GAUGE

Npi 16 - 18 - 20 - 22 - 24 - 26 - 28 - 32 - 40.

NEEDLES GAUGE

From gg 48 to gg 80.

NUMBER OF FEEDS

4 for any diameter.

MAXIMUM SPEED

For diameters from 13" to 17" speed factor from 1360 (13" 105 rpm) in one way movement.

For diameters from 13" to 17" speed factor from 1170 (13" 90 rpm) in reciprocation movement.

TYPE OF SELECTION

n° 4 actuators with n° 16 levels on each feed (two for both rotation sense).

STRIPPING YARNFINGERS

Each feed 7 yarnfingers at multipositions (Santoni patent).

TRAPPER FOR BARE AND COVERED ELASTIC YARN

n° 3 units on each feed.

DIAL JACKS AND YARN CUTTER

Dial vertical movement driven by step by step motor which allows the height variation of the cutter work.

SUCTION SYSTEM

By 2 suction fans or central system. Stitch formation inner tube Ø 150. Garment transfer tube Ø 100 mm. Air limiting valve with electronic incremental programming.

STITCH CAMS

Stitch formation adjustment by step motors done in an independent way on each feed, with possibility of loop widening, tightening and shading on the same course (Santoni patent). On board garment sizing, adjustable in both cm or inches.

SINKER CUP

Closed track cam circuit with spring-moved presses for stitch compensation.

MAIN KNITTING POSSIBILITIES

Single or double welt carried on with jacks in several selection, elastic yarn can be knitted, floated or inlaid. Involving 4 feeds on the same course: patterns and/or place reinforcements eliminating cut yarns on the inner side of the garment (typical intarsia), all the already known basic knitting structures as floated, 3 technical ways, sharp pattern, etc.

YARN FEEDERS

N° 1 SFE Memminger on each feed; n° 1 EFS800 MEMMINGER-IRO with serial connection for elastic welt on 1st feed; n° 2 EFS 920 plus n° 4 feeders for yarn recovery "SAMM" per feed. Optional: MEMMINGER EFS 800, EFS 920 SFE.

YARN SENSORS

n°7 optical serial sensors per each feed (28 in total).

CREEL

Complete back creel. Option: creel with pneumatic threading or closed creel for cotton kit.

LUBRICATION

Pneumatic pump with oil recycle.

CYLINDER ROTATION

Brushless motor and electronic handwheel for manual control.

ELECTRONIC CONTROLLER

HIE Electronic (High Integration Electronic) with integrated board from Dinema, for the serial checking of all exits, protected from short circuit. RAM memory capacity of 10 MB.

MACHINE KEYBOARD

Color Keyboard with monochromatic display backlighted.

➤ **PROGRAMMING**

Graphic software S.I.S. (Santoni Intarsia System). The programs can be transferred to the machine by net, by cable directly from the PC or by UBS key with FDU3.

➤ **CONSUMPTION**

Absorbed power from 13" to 16": fans 4,1 kW (at 400V / 50Hz) or 5,1 kW (at 220V / 60Hz); motor 4,5 Kw.

Absorbed power for 17": fans 4,4 kW (at 400V / 50Hz) or 5,6 kW (at 220V / 60Hz); motor 4,5 kW.

Compressed air: 50 Lt/min at 6 bar.

➤ **WEIGHT**

Approx. Kg 600 / 750.

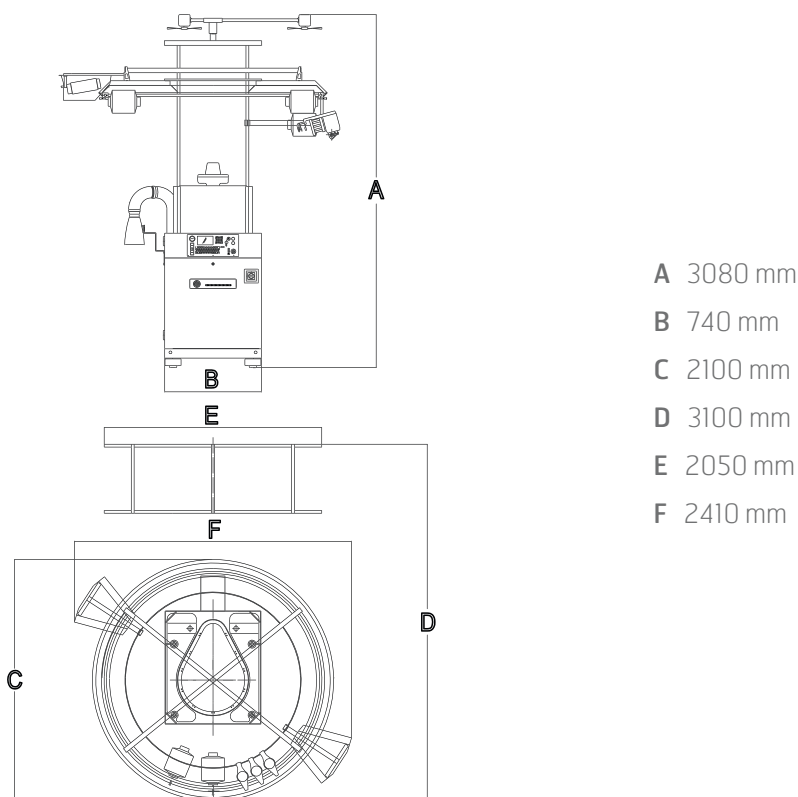
➤ **PRODUCTION**

SEAMLESS-WEAR, UNDERWEAR, OUTERWEAR, SWIMWEAR, SPORTSWEAR (possibility to use a wide range of yarns including bare and covered elastomer).

➤ **NORMATIVE**

The machine meets the CE normative and is UL compatible.

TECHNICAL DRAWING AND SIZE



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.

Santoni is recommending needles from
GROZ-BECKERT®



SANTONI SPA

Via Carlo Fenzi, 14 - 25135 Brescia - Italy
Tel. +39 030 376711 Fax +39 030 3366478
P.IVA e CF: IT 00273280172
www.santoni.com