

SEAMLESS TECHNOLOGY

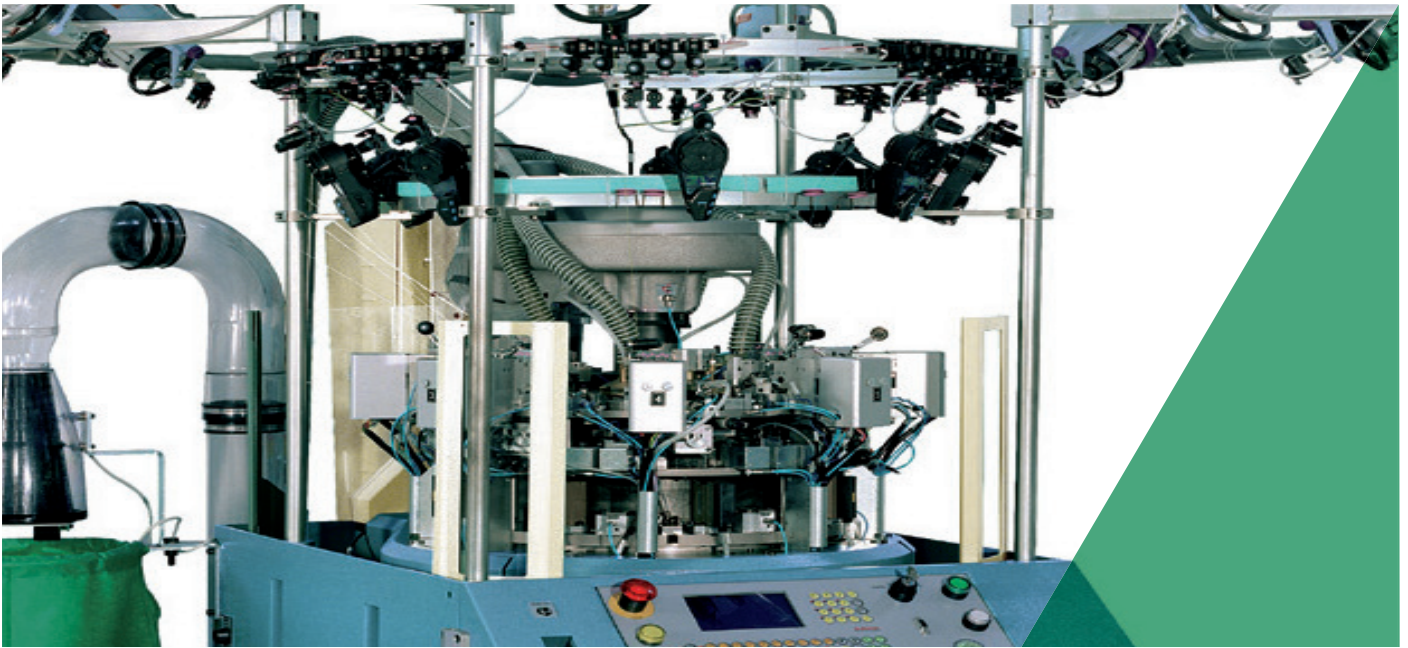
ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

SM8-TOP1V SINGLE JERSEY

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SEAMLESS TECHNOLOGY

SM8-TOP1V SINGLE JERSEY

Single Jersey electronic circular machine with 8 feeds with 1 point of selection needle-needle for each feed. For the high production of single seamless garments for underwear, outerwear, beachwear, sportswear, sanitarywear. Terry possibility on request. System patented by SANTONI. It allows the realization on 8 feeds of patterns having a high definition and sharpness of the color.

SEAMLESS TECHNOLOGY

SM8-TOP1V SINGLE JERSEY

TECHNICAL FEATURES

DIAMETERS

10" - 11" - 12" - 13" - 14" - 15" - 16" - 17" - 18" - 19" - 20"

MACHINE GAUGE

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

NEEDLES GAUGE

From gg 48 to gg 75.

NUMBER OF FEEDS

8 for any diameter.

MAXIMUM SPEED

Diameters 10" and 11", speed factor from 1300 (10" 130 rpm).

Diameter 12" speed factor from 1920 (12" 160 rpm in plain jersey).

Diameters from 13" to 20" speed factor from 2080 (13" 160 rpm in plain jersey).

TYPE OF SELECTION

16 level actuators (1 per feed).

STRIPPING YARNFINGERS

7 yarnfingers per feed being: 3 yarnfingers with 3 positions for ground yarn; 3 yarnfingers with 4 positions for one (1) color or one (1) reinforcement (floating yarns) or one (1) ground yarn; 1 yarnfinger with 6 positions for 1 color or 1 reinforcement and for the ground of the sharp pattern (floats yarns).

TRAPPER FOR BARE AND COVERED ELASTIC YARN

N° 2 on feed 1, 3, 4, 5, 7, 8 and n° 3 on feed 2 and 6.

On request: it is possible to have maximum 3 trappers per each feed.

DIAL JACKS AND YARN CUTTER

From 10" to 16" up and down dial movement by pneumatic control.

From 17" to 20" up and down dial movement driven by step motor to reposition the saw blade height.

SUCTION SYSTEM

By two or three (depending on diameter) suction fans or central system. Take down tube Ø 150 mm. Garment transfer tube Ø 100 mm. Air limiting valve with electronic incremental programming.

STITCH CAMS

Stitch formation adjustment by step motors, independently 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. and inches.

SINKER CUP

On request: sinker caps for terry fabric.

MAIN KNITTING POSSIBILITIES

Single or double welt carried on with jacks, in several selections, with knitted, floated or laid-in elastic yarn.

With 8 feeds on the same course: 2 technical ways (tuck or jacquard), pattern with floated yarn, clear pattern and laid-in possibility on all feeds. Optional: n° 4 movable stitch cams to make 4 feeds knitting possible with 2 selection points per feed (3 technical ways).

YARN FEEDERS

N° 8 LGL SANTONI ECOPOWER feeders enabling visualization on board of yarn absorption, plus n. 10 B TSR ULTRAFEEDER feeders with serial connection (2 are used for the elastic in the welt). Optional: B TSR ULTRAFEEDER; DINEMA YOYO; LGL SPIN; LGL SANTONI ECOPOWER and/or SANTONI ECOPOWER ATTIVO; MEMMINGER SFE - ELAN; B TSR ROLLING FEEDER.

YARN SENSORS

Optical serial sensors.

CREEL

Complete back creel.

On request creel with pneumatic threading or closed creel for cotton kit.

LUBRICATION

Possibility of diversified and independent control of lubrication for needles/sinkers and selectors.

CYLINDER ROTATION

Brushless motor and electronic handwheel for manual control.

TECHNICAL FEATURES

● ELECTRONIC CONTROLLER

HIE (High Electronic Integration) with a DINEMA integrated board for the serial checking of all exits, protected from short circuit. Available RAM memory: 6 MB.

● MACHINE KEYBOARD

With monocromatic display backlighted.

● PROGRAMMING

Software Digraph 3 Plus including: Atlas, Quasar, Photon, Galois. The programs can be transferred to the machine by FDU-2/3 reader or by cable directly from the PC.

● CONSUMPTION

Absorbed power from 10" to 16": fans 4,1 kW (at 400V / 50Hz) or 5,1 kW (at 220V / 60Hz); motor 2,5 kW.
Absorbed power from 17" to 20": fans 4,4 kW (at 400V / 50Hz) or 5,6 kW (at 220V / 60Hz); motor 2,5 kW.
Compressed air: 50 lt/min at 6 bar.

● WEIGHT

Approx. Kg 680 / 830.

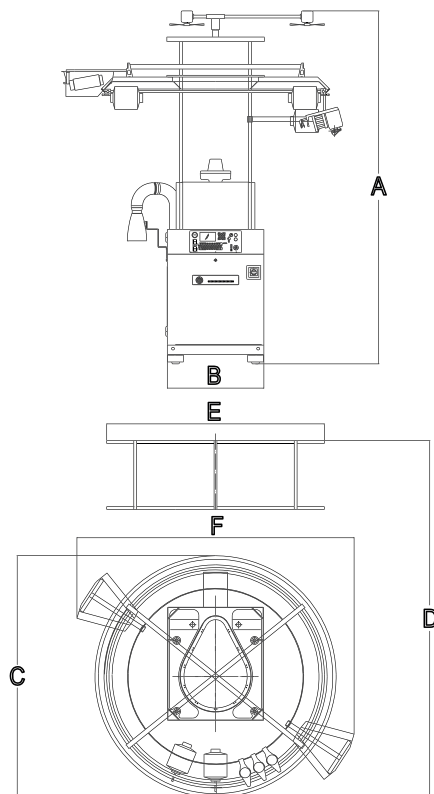
● PRODUCTION

SEAMLESS-WEAR, UNDERWEAR, OUTERWEAR, SWIMWEAR, SPORTSWEAR, SANITARY GARMENTS (allowing the use of many different kind of yarns).

● NORMATIVE

The machine meets the CE normative and is UL compatible.

TECHNICAL DRAWING AND SIZE



- A 3080 mm
- B 740 / 840 mm
- C 2100 mm
- D 3100 mm
- E 2050 mm
- F 2410 mm

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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