

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

SM8-EV04 SINGLE JERSEY

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SM8-EVO4 SINGLE JERSEY





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Single Jersey electronical circular machine with 8 feeds with 4 points of selection needle by needle on each feed. For the production of single seamless garments for underwear, outerwear, beachwear, sportswear, sanitarywear. Terry possibility on request. System patented by SANTONI that allows the realization on 8 feeds of patterns having a high definition and sharpness of the color.

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TECHNICAL FEATURES

● DIAMETERS

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

For diameters from 12" to 20" speed factor from 1300 (13" 100 rpm).

● TYPE OF SELECTION

16 level actuators, n. 4 per feed.

● STRIPPING YARNFINGERS

n°10 yarnfingers per feed being: 3 yarnfingers at 3 positions for the ground yarn, 3 yarnfingers at 4 positions for one color or one reinforcement (floating yarns) or for the ground yarn, 1 yarnfinger at 6 positions for one color or for one reinforcement and for the ground in clear pattern (floating yarns), 3 yarnfingers at 4 positions for one color or one reinforcement.

● TRAPPER FOR BARE AND COVERED ELASTIC YARN

N° 2 on 1st - 3rd - 4th - 5th - 7th - 8th feed and n. 3 on 2nd and 6th. On request possibility of max. n° 3 trappers on each feed.

● DIAL JACKS & YARN CUTTER

Vertical dial movement driven by step-by-step motor which allows the height variation of the cutter.

● SUCTION SYSTEM

By 2 or 3 suction fans (according to diameter) or central system. Stitch formation inner 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 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 cms or inches.

● SINKER CUP

On request: sinker cap for terry.

● MAIN KNITTING POSSIBILITIES

Single or double welt knitted with jacks in different selection possibilities. Elastic yarn can be knitted-in, floated or inlaid. Knitting possibilities for 8 feeds on the same course: 3 technical ways plus 2 colors on ground yarn, 3 technical ways plus one color on ground yarn and pattern in floated yarn, 3 technical ways plus clear pattern. Possibility of inlaid on all feeds. On request: 4 movable stitch triangles to knit on 4 feeds with 8 selection points each feed, 3 technical ways plus 4 colors on ground yarn, 3 technical ways plus 3 colors on ground yarn and floated pattern.

● YARN FEEDERS

n° 8 LGL SANTONI ECOPOWER feeders with serial connection enabling visualization on board display of yarn absorption plus n.10 BTSR ULTRAFEEDER with serial connection (2 of them used for elastic welts).

Optional: BTSR ULTRAFEEDER, DINEMA YOYO, LGL SPIN; LGL SANTONI ECOPOWER and/or SANTONI ECOPOWER ATTIVO; MEMMINGER SFE - ELAN, BTSR ROLLINGFEEDER.

● YARN SENSORS

Optical serial sensors per each feed.

● CREEL

Complete with back creel.

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

● LUBRICATION

Pneumatic pump with oil recycle and independent oil use between needles/sinker group and selectors.

● CYLINDER ROTATION

Brushless motor and electronic handwheel for manual control.

TECHNICAL FEATURES

● 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 backlit.

● PROGRAMMING

Software Diagraph 3 Plus including Atlas, Quasar, Photon, Galois. The programs can be transferred to the machine by FDU2/3, by USB key or by cable directly from the PC.

● CONSUMPTION

Absorbed power from 12" to 16": fans 4,1 kW (at 400V / 50Hz) or 5,1 kW (at 220V / 60Hz); motor 2,2 kW.
Absorbed power from 17" to 20": fans 4,4 kW (at 400V / 50Hz) or 5,6 kW (at 220V / 60Hz); motor 2,2 kW.
Compressed air: 50 Lt/min at 6 bar.

● WEIGHT

Approx. Kg 680 / 830.

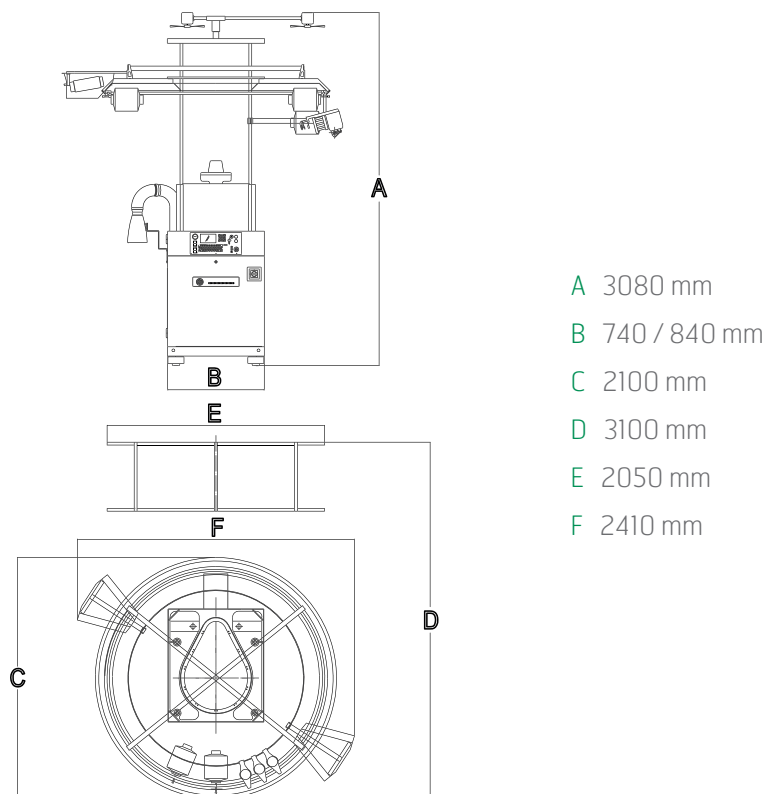
● PRODUCTION

SEAMLESS-WEAR, UNDERWEAR, OUTERWEAR, SWIMWEAR, SPORTSWEAR, SANITARY (possibility to use a wide range of yarns).

● 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.



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