

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE
SM8-EV04J SINGLE JERSEY

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SM8-EVO4J SINGLE JERSEY





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SM8-EV04J SINGLE JERSEY

8 Feeds single jersey circular electronic machine available from 14" to 22" dia.with 2 selection points (on three (3) technical ways) for the knitting feeder plus 1 selection point for the production of fishnet or antidrop stitch structures (patented by Santoni). The machine allows knitting of seamless-wear. Swimwear, sportswear,sanitary wear garments.

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● DIAMETERS

13" - 14" - 15" - 16" - 17" - 18" - 19" - 20"

● MACHINE GAUGE

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

● NEEDLES GAUGE

From gg 48 to gg 80.

● NUMBER OF FEEDS

8 for any diameter.

● MAXIMUM SPEED

From 13" diameter to 20" speed factor from 1300 (13" 100 rpm). For E40 gg speed factor from 1105 (13" 85 rpm).

● TYPE OF SELECTION

16 level actuators n° 4 per feed.

● STRIPPING YARNFINGERS

N° 10 yarnfinger per feed (with yarnfingers 1, 2, 3 at three positions, the 4th and the 5th at four positions, the 6th at six positions, plus 4 color yarnfingers at four positions).

● TRAPPER FOR BARE AND COVERED ELASTIC YARN

N° 2 on 1st, 3rd, 4th, 5th, 7th, 8th feed e n° 3 on 2nd and 6th. On request: possibility of increasing the number of trappers up to a maximum of three for each feed.

● DIAL JACKS AND 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 diam) or central system. Stitch formation inner tube - diam 150, garment transfer tube diam. 100.- 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 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. 8 feeds on the same course: 3 technical ways plus 2 colors on the ground, 3 technical ways plus 1 color on the ground yarn and floated pattern, 3 technical ways plus sharp pattern, 2 technical ways plus 3 colors on the ground, 2 technical ways plus 2 colors on the ground yarn and floated pattern, laid-in possibility on all feeds. Optional: n° 4 movable stitch cams to make 4 feed knitting possibilities with 8 selection points for each feed (3 technical ways plus 5 colors on the ground, 3 technical ways plus 4 colors on the ground yarn and floated pattern, 2 technical ways plus 6 colors on the ground, 2 technical ways plus 5 colors on the ground yarn and floated pattern).

● YARN FEEDERS

n.8 LGL SANTONI BODY feeders with serial connection enabling visualization on board display of yarn absorption plus n.10 BTR ULTRAFEEDER2 with serial connection (2 of them used for elastic welts). Optional: BTR: ULTRAFEEDER 2; LGL: SANTONI BODYMAP and SANTONI BODY and/or BODY ATTIVO; MEMMINGER: SFE; Dinema: PLUS.

● YARN SENSORS

SPYDER serial sensors per each feed.

● CREEL

24 positions back creel.

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

● LUBRICATION

Pneumatic pump with oil recycle and independent management of oil between needles/sinkers and selectors.

● **CYLINDER ROTATION**

Brushless motor and electronic handwheel for manual control.

● **ELECTRONIC CONTROLLER**

New DINEMA XQ ELECTRONIC with microprocessor power PC 400 Mhz, Flash 512 MB, Ram 512 MB, with 7" colour touch screen (800x480) and panel with USB connection.

● **MACHINE KEYBOARD**

Colour touch screen display (without keyboard).

● **PROGRAMMING**

Software Diagraph 3 PLUS including Atlas,Quasar,Photon,Galois. The programs can be transferred to the machine by USB key or by net.

● **CONSUMPTION**

Absorbed power from 13" 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 liters/min at 6 bar.

● **WEIGHT**

Approx. Kg 680 / 830.

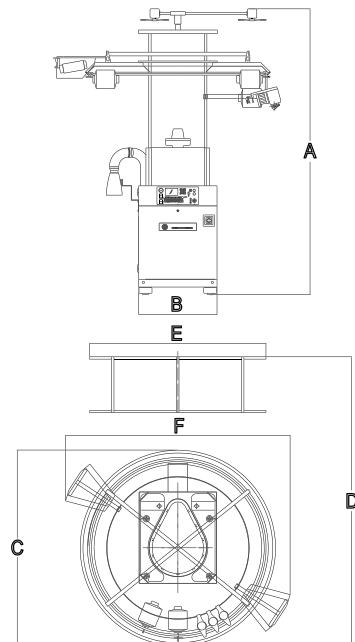
● **PRODUCTION**

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

● **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.

Santoni is recommending needles from
GROZ-BECKERT®



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