



# SEAMLESS TECHNOLOGY

## ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

### SM8-EVO4J SINGLE JERSEY

ENG



# SEAMLESS TECHNOLOGY

## SM8-EVO4J SINGLE JERSEY





## SEAMLESS TECHNOLOGY

### SM8-EVO4J SINGLE JERSEY

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 with possibility of different stitch structures and colors on the same course. Terry possibility on request. System patented by SANTONI that allows the realization on 8 feeds of patterns having an high definition and sharpness of the color.

---

# SEAMLESS TECHNOLOGY

## SM8-EVO4J SINGLE JERSEY

### TECHNICAL FEATURES

#### - 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

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

#### - SUCTION SYSTEM

By 2 or 3 suction fans (according to diameter) or central system. Take down tube Ø 150 mm. Ejection tube Ø 100 mm. Air limiting valve with electronic incremental programming.

#### - STITCH CAMS

Stitch formation adjustment by step motors, independent 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 yarn feeders LGL SANTONI ECOPOWER with serial connection enabling visualization on board display of yarn absorption, plus n° 10 BTSR ULTRAFEEDER with serial connection (2 of which used for elastic welts).

Optional: BTSR ULTRAFEEDER, DINEMA YOYO, LGL SPIN; LGL SANTONI ECOPOWER e/o ECOPOWER ATTIVO; MEMMINGER SFE - ELAN, BTSR ROLLING FEEDER.

#### - YARN SENSORS

Optical serial sensors.

#### - 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.

## TECHNICAL FEATURES

### – CYLINDER ROTATION

Brushless motor and electronic handwheel for manual control.

### – ELECTRONIC CONTROLLER

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

### – MACHINE KEYBOARD

Color keyboard with monochrome display back lighted.

### – PROGRAMMING

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

### – 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 liters/min at 6 bar.

### – WEIGHT

Approx. Kg 680 / 830.

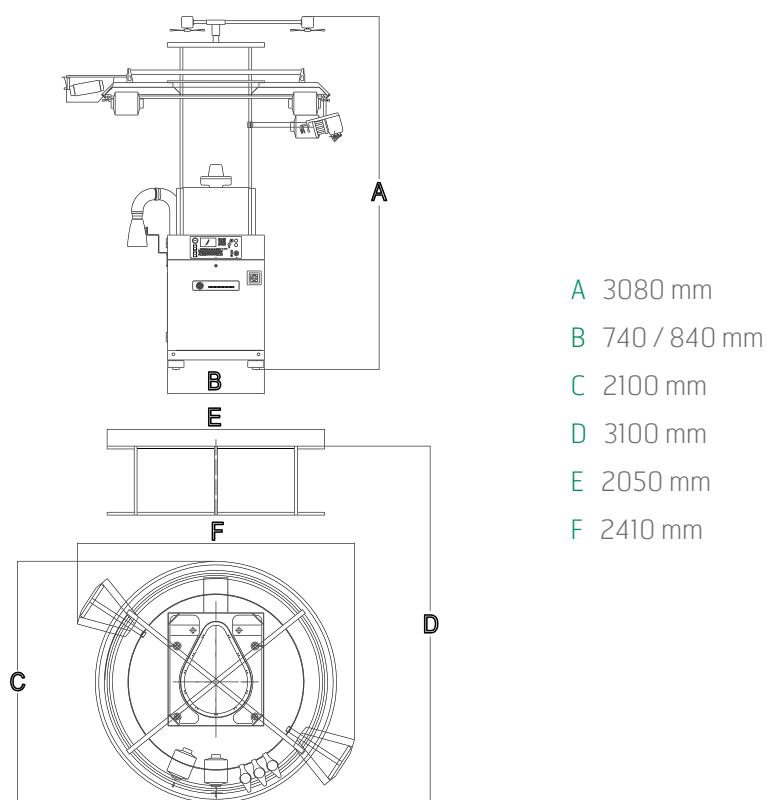
### – PRODUCTION

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



### 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 SPA**

Via Carlo Fenzi, 14 - 25135 Brescia - Italy  
Tel. +39 030 376711 Fax +39 030 3366478  
PIVA e CF: IT 00273280172  
[info@santoni.com](mailto:info@santoni.com) - [www.santoni.com](http://www.santoni.com)