

# SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

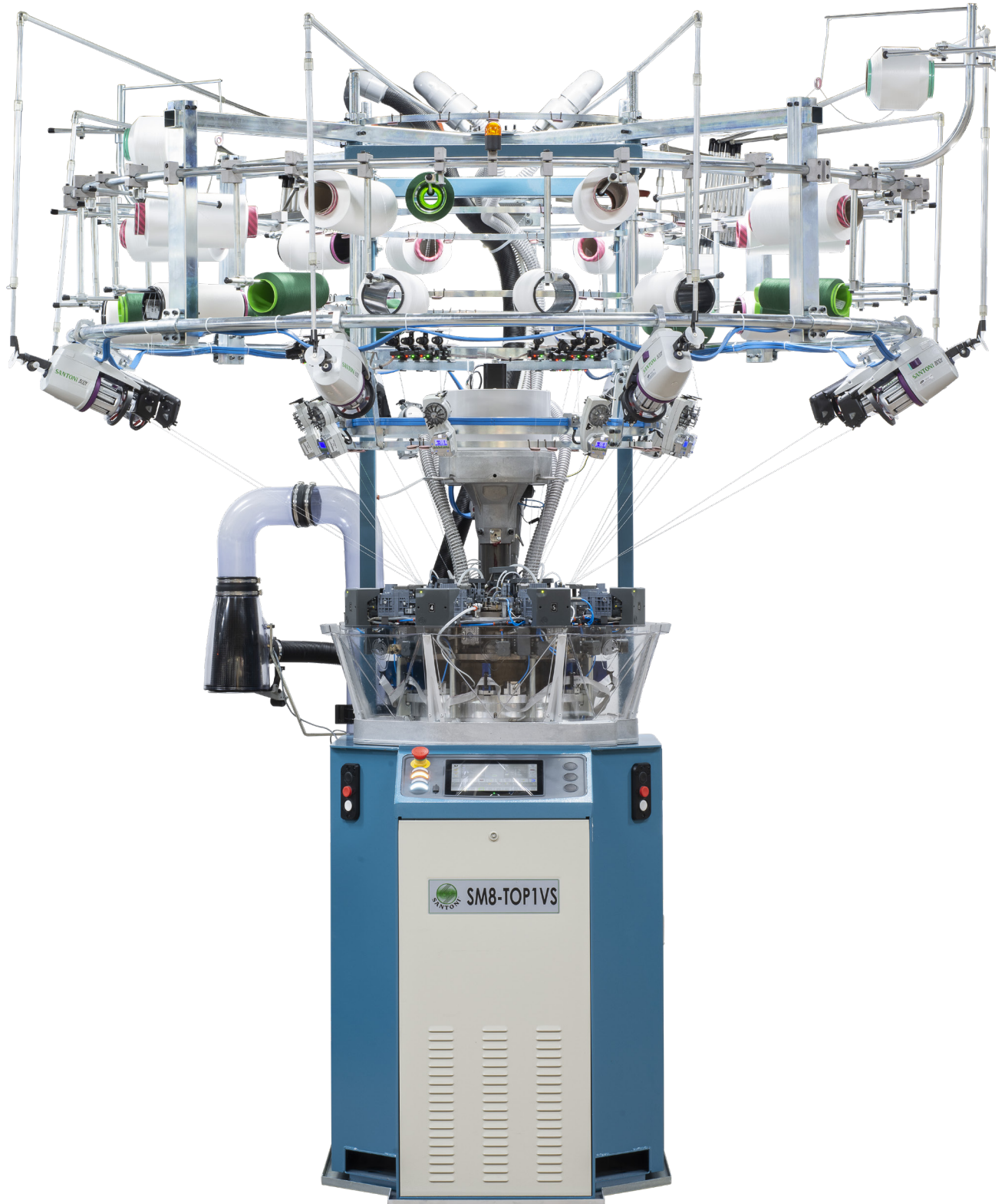
SM8-TOP1VS

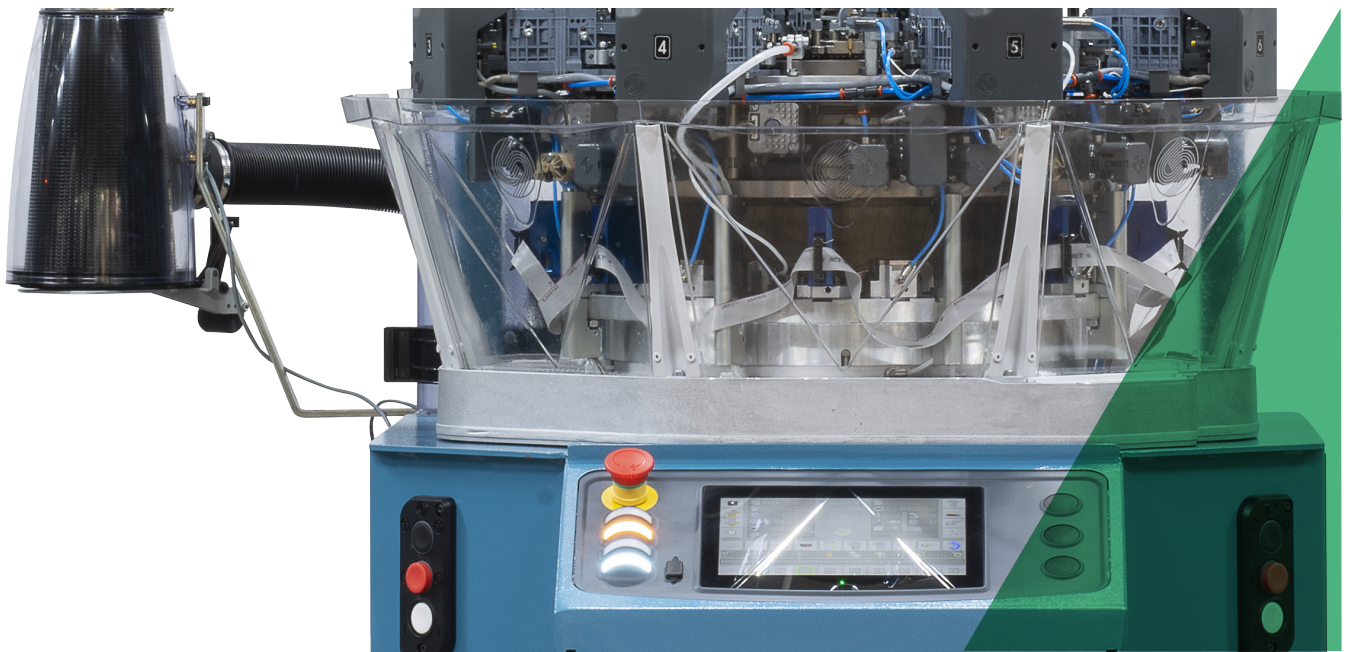
SINGLE JERSEY

(X2Q ELECTRONICS)

# SEAMLESS TECHNOLOGY

## SM8-TOP1VS SINGLE JERSEY





## SEAMLESS TECHNOLOGY

### SM8-TOP1VS SINGLE JERSEY

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Single jersey electrical circular machine with 8 feeds, with 1 point of selection needle-by-needle per feed, for the production of single seamless garments for underwear, outerwear, beachwear, sportswear and sanitarywear.  
Terry possibility on request.

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# SEAMLESS TECHNOLOGY

## SM8-TOPIVS SINGLE JERSEY

### DIAMETERS

11" - 12" - 13" - 14" - 15" - 16".

### MACHINE GAUGE

E 24 - 26 - 28.

### NEEDLES GAUGE

From gg 54 to gg 70.

### NUMBER OF FEEDS

8 for any diameter

### MAXIMUM SPEED

Diam 11" - speed factor from 1320 in plain mesh (max speed 120 rpm); 1190 in selection (max speed 110rpm).

Diam 12" - speed factor from 1920 in in plain mesh (max speed 160rpm); 1800 in selection (max speed 150rpm).

From Diam 13" to 16" - speed factor from 2080 in plain mesh (13" max speed 160rpm); 1955 in selection (13" max speed 150rpm).

### TYPE OF SELECTION

n° 1 actuator with 16 levels on each feed.

### STRIPPING YARNFINGERS

N° 6 yarnfingers each feed: yarnfinger 1 and 2 at 3 positions, yarnfinger 3 at two positions, yarnfingers 4 and 5 at four positions and yarnfinger 6 at 6 positions (Santoni patent).

### TRAPPERS 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: third trapper on feed 1, 3, 4, 5, 7, 8).

### DIAL JACK AND YARN CUTTER

Dial vertical movement, cutter saw release (Santoni patent), 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 the diameter) or by centralized system.

Take down tube Ø150 mm; ejection tube Ø100 mm.

Air limiting valve with electronic incremental programming.

(On request: rotating tube or antitwist kit with rotating tube).

### 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

As per knitting system, free from cylinder and centered on the upper plate (Santoni patent).

(On request: sinker cap 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 (knitted or jacquard), floated, clear pattern, laid-in possibility on all feeds".

(On request: n° 4 movable stitch cams to make 4 feeds knitting possibilities: with 2 points of selection per feed for 3 technical ways).

### YARN FEEDERS

n° 10 Santoni BODYMAP (2 of which used for elastic welts), plus n° 8 feeders LGL Santoni BODY2 with serial connection enabling visualization on board display of yarn absorption.

Optional BTSR: ULTRAFEEDER2(+UNICO2); Santoni HYPERFEEDER; ROLLING FEEDER.

Optional LGL: Santoni BODYMAP; Santoni BODY e/o BODY ATTIVO.

Optional Dinema: PLUS.

Optional MEMMINGER: SFE.

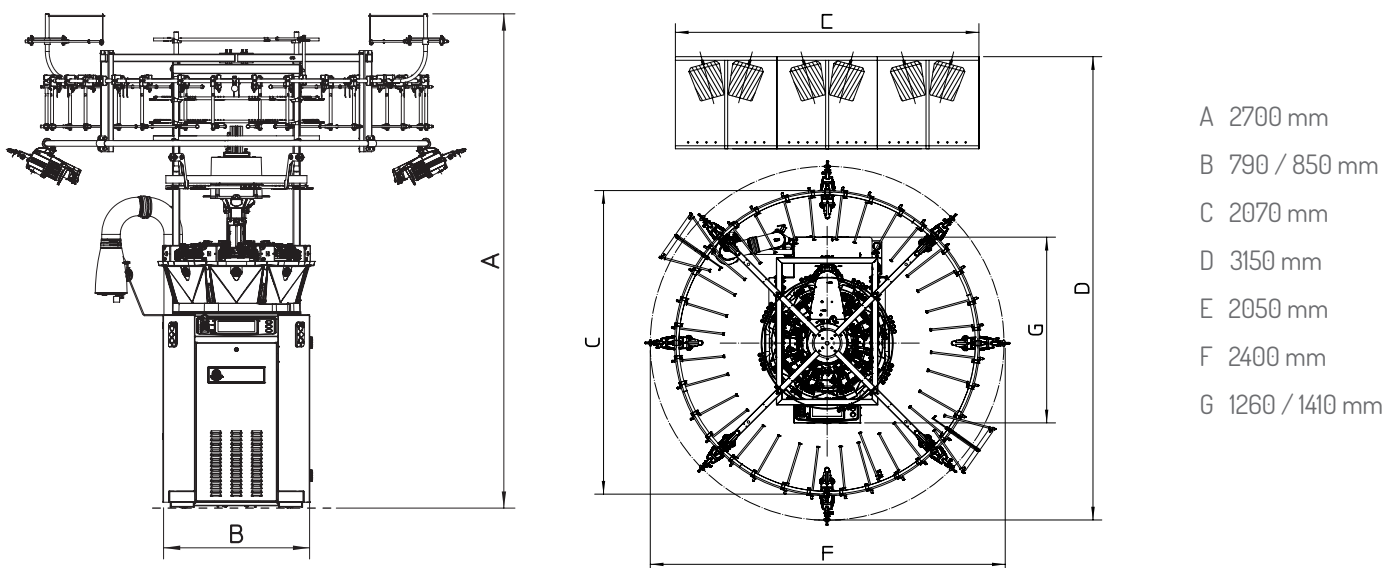
### YARN SENSORS

SPYDER Dinema serial sensors of capacitive type.

(On request: 8 ISPY Dinema optical sensors).

- **CREEL**  
24 Complete back creel.  
(Optional: creel with pneumatic threading or closed creel for cotton kit).
- **LUBRICATION**  
Pneumatic pump with progressive metering, 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 X2Q DINEMA electronics with microprocessor IMX8.
- **MACHINE KEYBOARD**  
9" color touch screen display equipped with protective casing.
- **PROGRAMMING**  
Software Digraph-3 Plus including: Atlas, Photon, Galois, Quasar and Converter or the new iPOLARIS pack , a powerful, up-to-date and user-friendly graphic interface. The programs can be transferred to the machine by USB, FDU4 or by net.
- **CONSUMPTION**  
Absorbed power from 11" to 16": fans 4,1 kW (at 400V / 50Hz) or 5,1 kW (at 220V / 60Hz); by machine (standard configuration) 2,2 kW .  
Compressed air: 50 Lt/min at 6 bar.
- **WEIGHT**  
Approx. KG. 600 / 750.
- **PRODUCTION**  
SEAMLESS-WEAR, UNDERWEAR, OUTERWEAR, SWIMWEAR, SPORTSWEAR, SANITARY GARMENTS  
(possibility to use a wide range of yarns and bare or covered elastic yarns).
- **NORMATIVE**  
The machine meets the CE normative.

## 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®**



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