

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

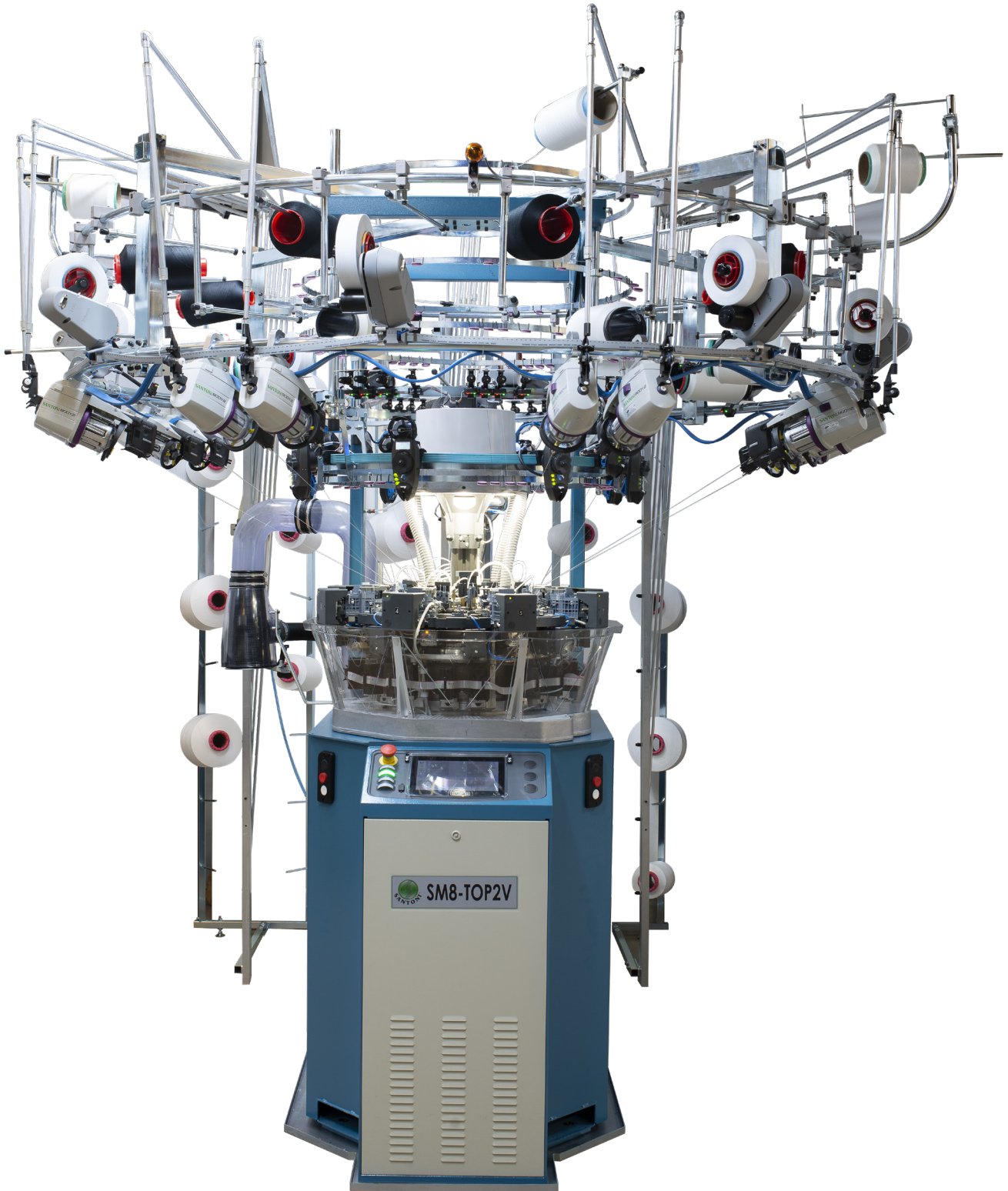
SM8-TOP2V

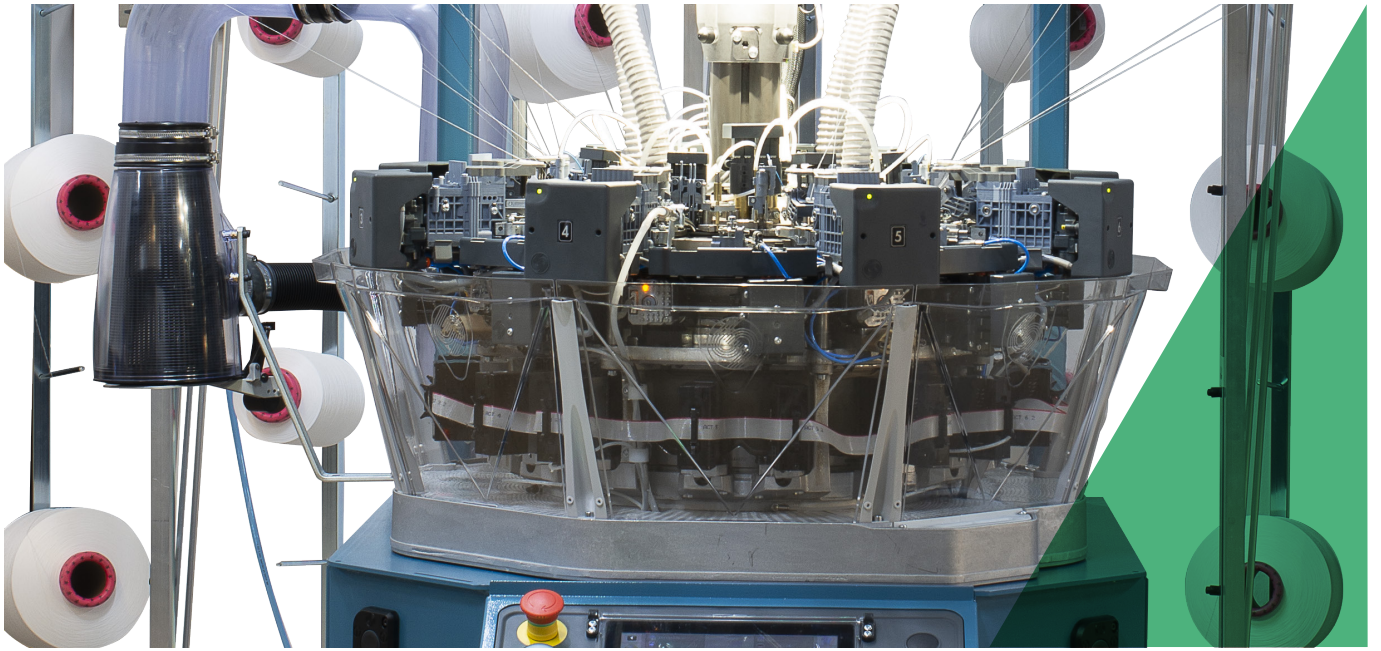
SINGLE JERSEY

(X2Q ELECTRONICS)

SEAMLESS TECHNOLOGY

SM8-TOP2V SINGLE JERSEY





SEAMLESS TECHNOLOGY

SM8-TOP2V SINGLE JERSEY

Single Jersey electronic circular machine with 8 feeds with 2 points of selection needle by needle per feed, for the production of single seamless garments for underwear, outerwear, beachwear, sportswear, sanitarywear. Terry possibility on request.

SEAMLESS TECHNOLOGY

SM8-TOP2V SINGLE JERSEY

DIAMETERS

11" - 12" - 13" - 14" - 15" - 16" - 17" - 18" - 19" - 20" - 21" - 22" - 23" - 24"

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

Diam.11"- speed factor from 1200 (11" max speed 110 rpm) also for mcs with E32-E40.

Diam.12" speed factor from 1350 (12" max speed 110 rpm) also for mcs with E32.

Diam. from 13" to 24" speed factor from 1700 (13" max speed 130 rpm).

From diam. 13" to 24" gauge E32 speed factor from 1560 (13" max speed 120 rpm).

From 12" to 22" gauge E 40 speed factor from 1250 (13" max speed 95 rpm).

TYPE OF SELECTION

N° 2 actuators with 16 levels on each feed.

STRIPPING YARNFINGERS

8 yarnfingers each feed: (with yarnfinger 1 and 2 at 3 positions, the 3rd at 2 positions, the 4th and 5th at 4 positions and the 6th at 6 positions) plus 2 color yarnfinger at 2 positions (Santoni patent)

TRAPPER FOR BARE AND COVERED ELASTIC YARN

One each feed plus trapper for elastic welt on 2nd, 4th, 6th and 8th feed.

On request: 2nd trapper on all feeds.

DIAL JACKS 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 or central system. Take down tube Ø 150 mm. Ejection tube Ø 100 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. 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 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: 3 technical ways ; 2 technical ways plus one color on the ground yarn; clear pattern; laid-in possibility on all feeds.

Optional: n° 4 movable stitch cams to make 4 feed knitting possibilities: 3 technical ways plus 2 colors on the ground yarn, 3 technical ways plus one color on the ground yarn and floated pattern.

YARN FEEDERS

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

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

Optional LGL: Santoni BODYMAP, Santoni BODY and/or BODY ATTIVO.

Optional DINEMA: PLUS.

Optional MEMMINGER: SFE.

YARN SENSORS

SPYDER Dinema serial sensors of capacitive type. On request: 8 ISPY Dinema sensors of optical type.

CREEL

Complete back creel. Optional: creel with pneumatic threading or 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 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.

Absorbed power from 17" to 24": fans 4,4 kW (at 400V / 50Hz) or 5,6 kW (at 220V / 60Hz); by machine (standard configuration) 2,2 kw.

Compressed air: 50 Lt/min at 6 bar.

● WEIGHT

Approx. KG. 600 / 750

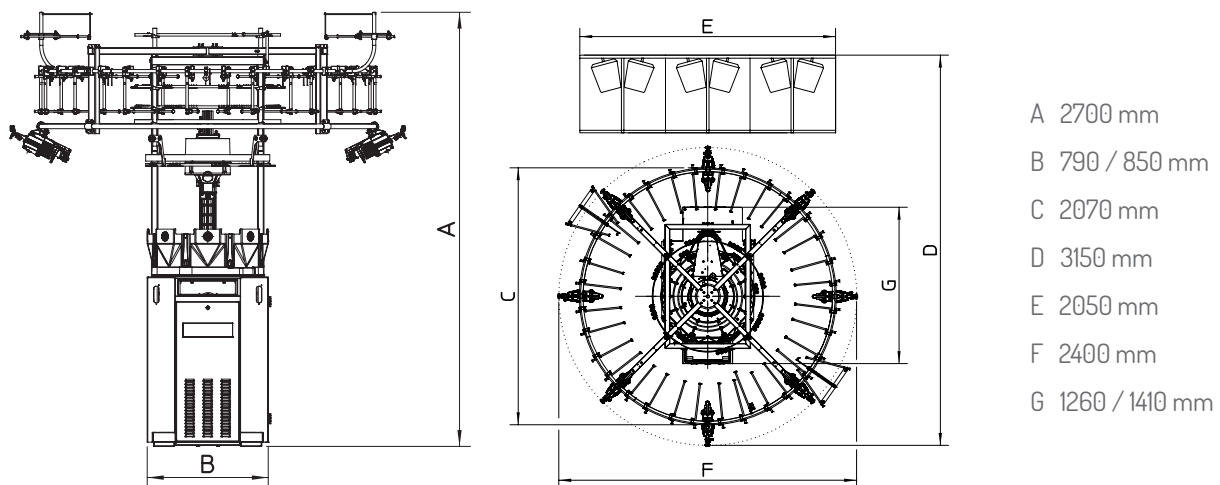
● PRODUCTION

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

● 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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