

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

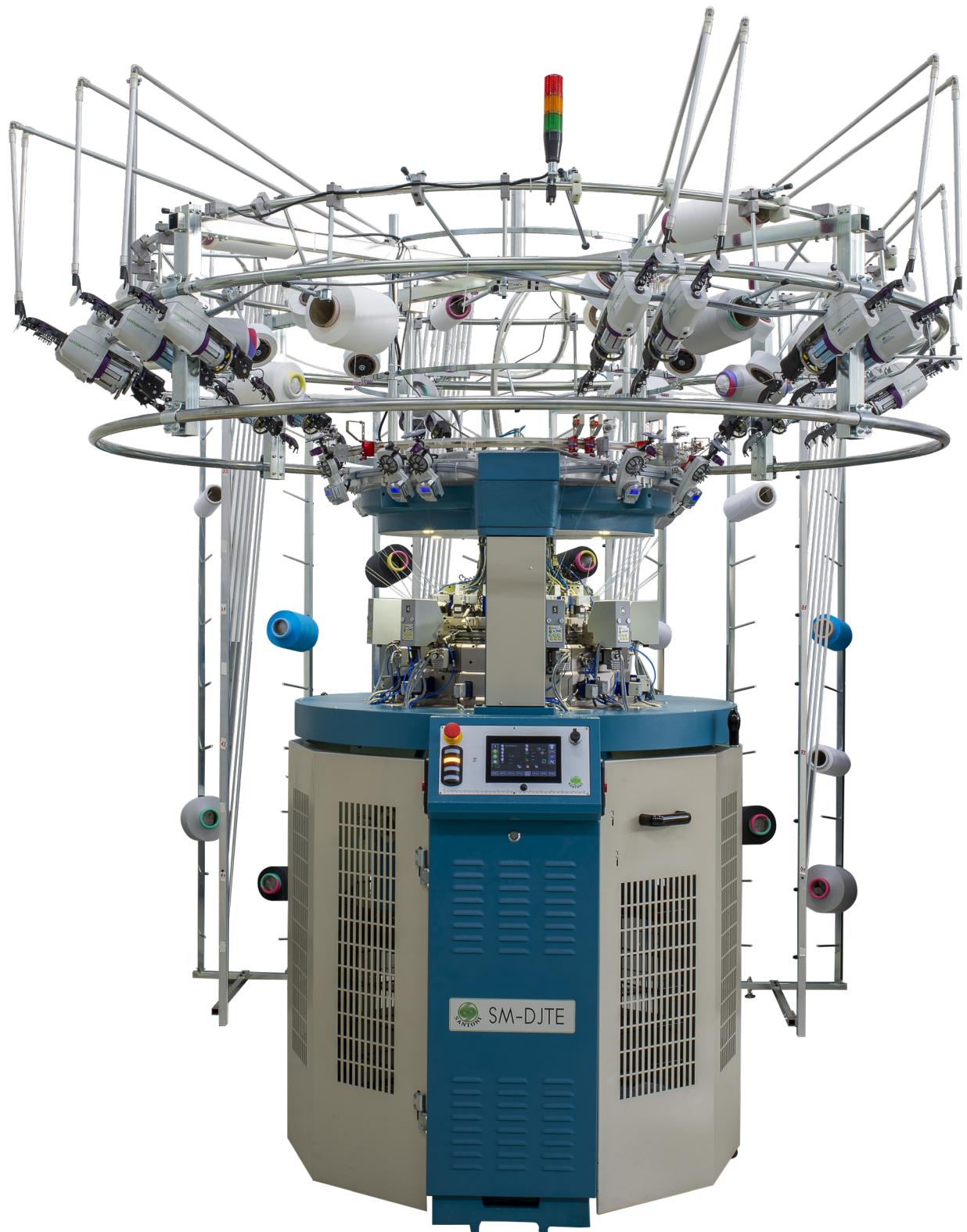
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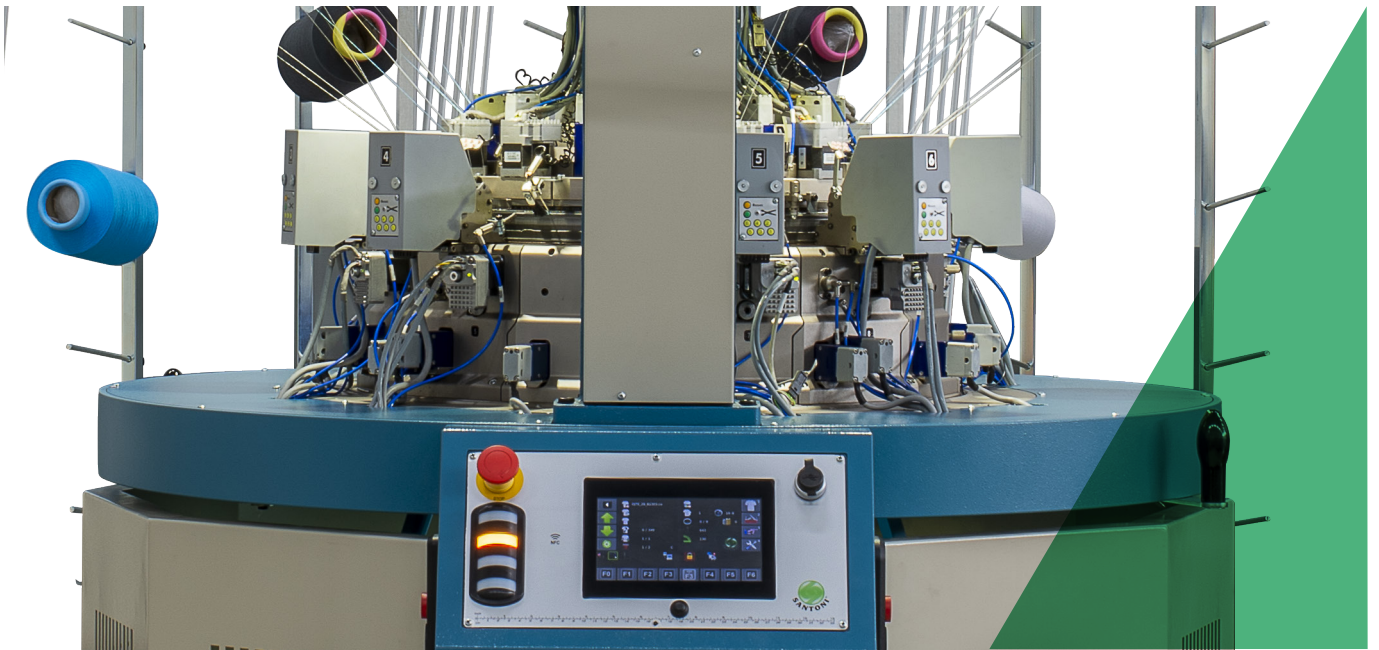
DOUBLE JERSEY

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SM-DJTE

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DOUBLE JERSEY

Double jersey electrical circular knitting machine with double-gauge: E14 dial E28 cylinder.
2 pupoints of selection on the cylinder e 1 on the dial per feed. The machine can transfer the stitches from dial to cylinder in order to produce different ribs and to switch from double jersey E.14 to single jersey E.28 within the same seamless garment. Use for spacer fabric for footwear and outerwear applications. Creation of fabrics for home textiles and automotive in continuous tubular fabric and/or separated pieces having single welt and separation yarn.

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DOUBLE JERSEY

DIAMETERS

16" 17" 18" 19" 20"

MACHINE GAUGE

npi. Dial 14 _ Cylinder 28

NEEDLE GAUGE

Dial gg.48 / Cylinder gg.70

For diameters: 14" and 15"

NUMBER OF FEEDS

Configuration 1: 6 stitch feeds + 3 transfer feeds from dial to cylinder.

For diameters: 16" 17" 18" 19" 20"

Configuration 1: 8 stitch feeds + 4 transfer feeds from dial to cylinder.

TRANSFER

Only from dial to cylinder

MAXIMUM SPEED

Speed factor 640 (16" 40 RPM).

TYPE OF SELECTION

2 actuators at 8 levels on cylinder feed, 1 actuator on dial feed, 1 actuator on all transfer feeds both in dial and cylinder.

YARNFINGERS

6 yarnfingers e 6 trappers-yarn cut on each feed

TAKE DOWN

New pneumatic take down system (Santoni patent) and mechanic control of yarn tensioning with collection basket or roller.

STITCH CAMS

Stitch cam movement diagonal compared to stitch formation. Stitch formation adjustment by step motor with linear cams, independent on each feed both on the dial and cylinder, with possibility of loop widening and shade on the same course (Santoni patent)

MAIN KNITTING POSSIBILITIES

Single welt with separation yarn or metric continuous fabric.

Ribs: 2x1 / 4x1 / 6x1 etc...

2-3-4 colors jacquards with tube connection or connected in various types of selection.

Mesh/pointelle effects by transfers on the dial.

Elastic lay-in by tuck stitch for medical, various stitch formation by tuck stitch on both dial and cylinder.

POSSIBILITY OF STITCH FORMATION DISPLACEMENT

Independent adjustable and programmable on all feeds.

DIAL HEIGHT ADJUSTMENT

By hand with micrometric control.

CYLINDER ROTATION

Brushless motor and 2 mechanical handwheels for manual movement.

YARN FEEDERS

2 LGL / SANTONI-BODYLITE on each feed in can-bus connection, visualization of yarn absorption and tensioning on machine display.

- Optional LGL: BODYLITE / BODYLITE ATTIVO / BODYMAP / FAST

- Optional BTR: UNIFEEDER2 / ULTRA FEEDER2+UNICO2 / ULTRA FEEDER / ROLLINGFEEDER (lycra nudo)

- Optional Dinema: PLUS (lycra nudo)

CREEL

Complete back creel with pneumatic control.

Optional: closed creel for cotton kit).

ELECTRONIC CONTROLLER

New electronic XQ Dinema with microprocessor PowerPC 400Mhz, 512MB di Flash, 512MB di Ram, with colour touch-screen

display 7" (800x480) and USB connection. No keyboard.

● PROGRAMMING

Pulsar transferred to the machine by USB key or by cable directly from computer.

● CONSUMPTION

Absorbed power: KW2,2 Compressed air: 50 litri/l'.

● WEIGHT

Approx. KG. 1300.

● LUBRICATION

Uniwave Projectile 419 - DropsA.

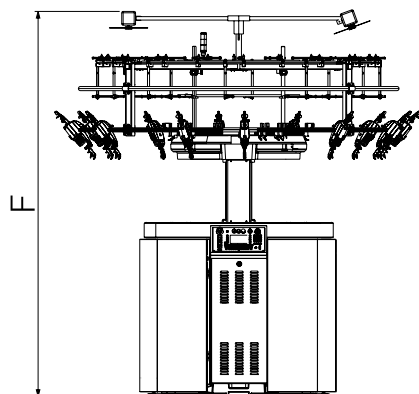
● PRODUCTION

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

● NORMATIVE

The machine meets the CE normative.

TECHNICAL DRAWING AND SIZE



14"/16"

17"/20"

A 2340 mm

A 2600 mm

B 1485 mm

B 1645 mm

C 730 mm

C 780 mm

D 3340 mm

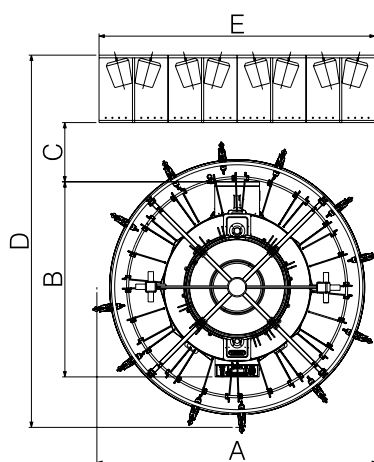
D 3600 mm

E 2560 mm

E 2560 mm

F 2800 mm

F 2800 mm



24"

A 2600 mm

B 1810 mm

C 700 mm

D 3600 mm

E 2560 mm

F 2800 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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