

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

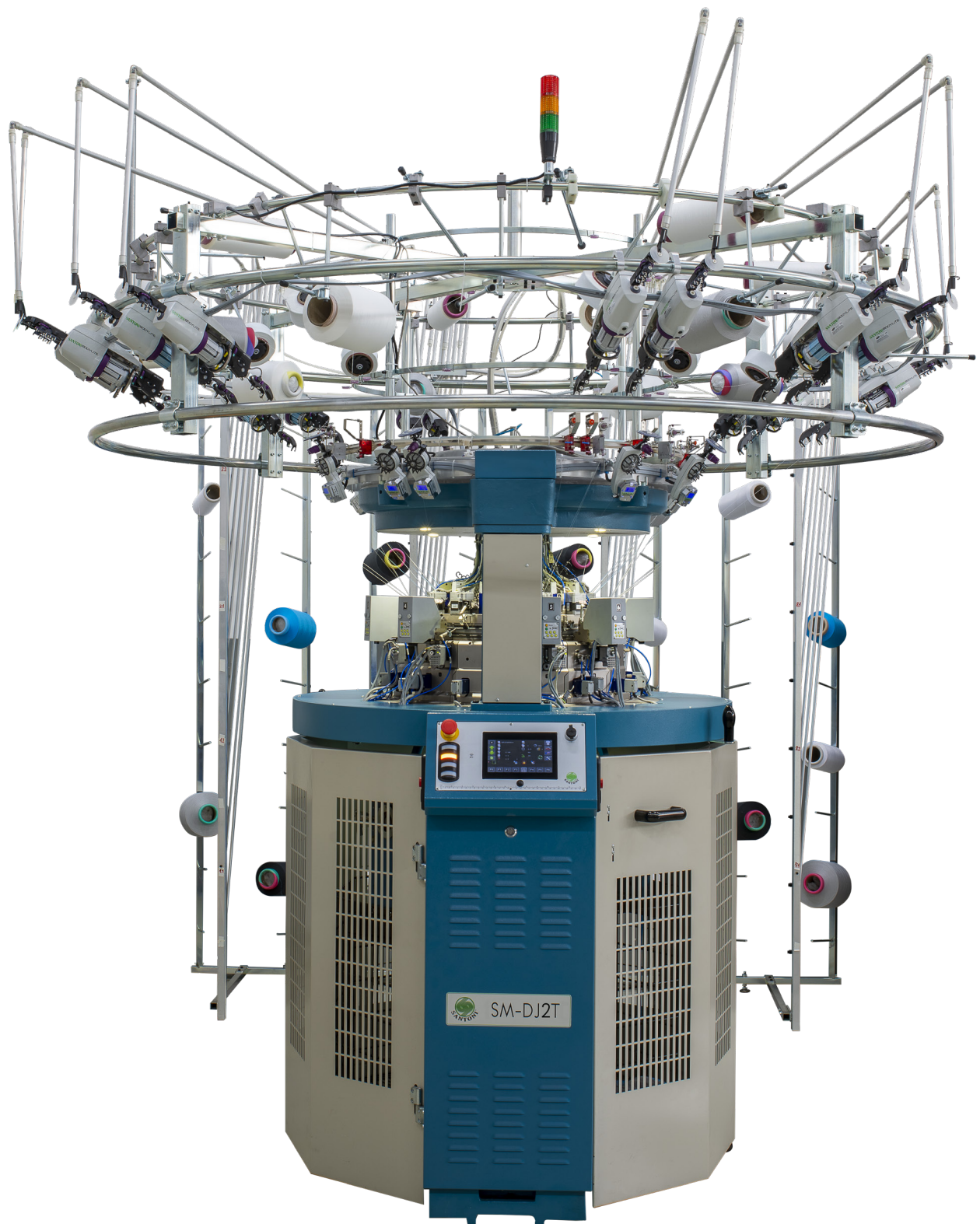
SM-DJ2T

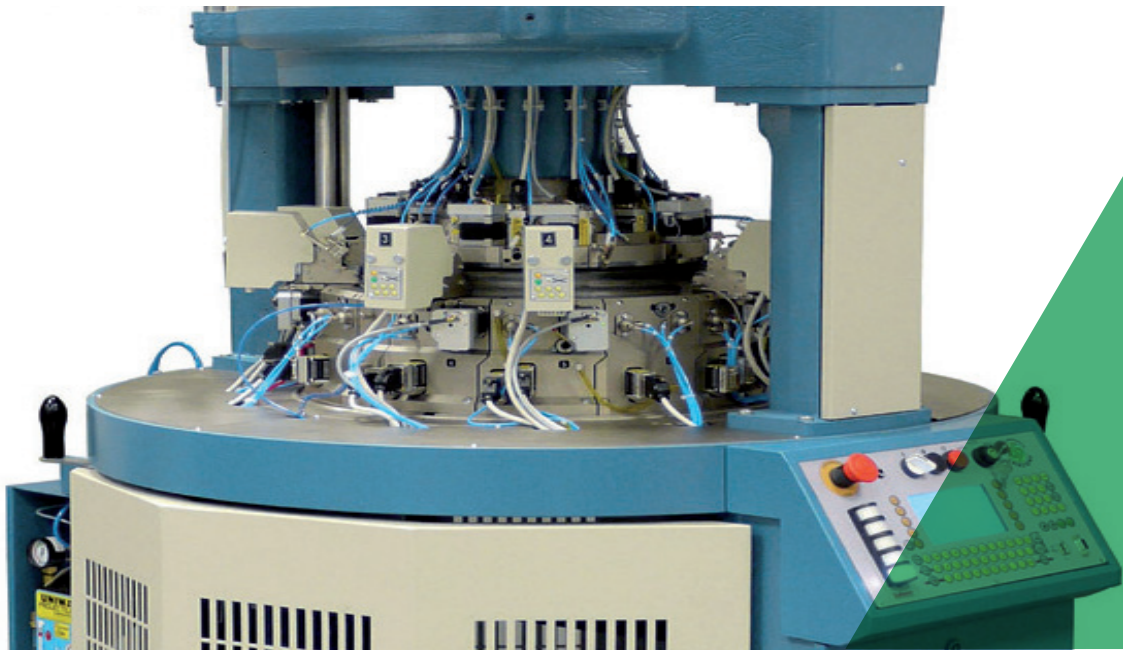
DOUBLE JERSEY

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SM-DJ2T

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DOUBLE JERSEY

Double knit electronical circular knitting machine for rib knitting with 2 selection points on cylinder and dial on each feed, for the production of seamless garments for underwear, outerwear, sportswear, beachwear and sanitarywear in continuous tubular fabric and/or separated pieces having single welt and separation yarn. It is possible to knit all different types of rib as well as links structures due to the availability of one needle-by-needle selection in cylinder and dial.

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SM-DJ2T

DOUBLE JERSEY

DIAMETERS

14" - 15" - 16" - 17" - 18" - 19" - 20" - 22" - 24"

MACHINE GAUGE

npi. 13 - 14 - 15 - 16 - 18 - 20

NEEDLE GAUGE

gg. 48 / gg. 54 / gg. 60 / gg. 70

NUMBER OF FEEDS

Modular feeds with possibility of different configurations.

For diameters 14" and 15"

Configuration 1: 6 feeds + 3 transfer feeds.

Configuration 2: 10 feeds one of which integral one (integral feed = feed and transfer feed).

For diameters 16", 17", 18", 19", 20", 22"

Configuration 1: 8 feeds + 4 transfer feeds. Configuration 2: 9 feeds + 3 transfer feeds.

Configuration 3: 12 feeds one of which integral one (integral feed = Feed + transfer feed).

For diameter 24"

Configuration 1: 12 feeds + 6 transfer feeds.

Configuration 2: 18 feeds one of which integral one (integral feed = Feed + transfer feed).

TRANSFER

Accordingly to the machine configuration always bi-directional.

MAXIMUM SPEED

Diameters from 14" to 24" 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

Yarnfingers and 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 (optional).

STITCH CAMS

Stitch formation adjustment by step motor, independently on each feed, with possibility of loop widening on the same course. Rapid stitch size graduation possible on the same course. Stitch cam movement diagonal compared to stitch formation.

MAIN KNITTING POSSIBILITIES

Single welt with separation yarn or metric continuous fabric. All types of ribs: 1x1, 2x1, 2x2, etc.

All types of links and links-jacquard.

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

Mesh/pointelle effects by transfers on cylinder and 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: ULTRAFEEDER2+UNICO2 / ULTRAFEEDER2 / ROLLINGFEEDER (bare lycra)

➤ ELECTRONIC CONTROLLER

New electronic XQ Dinema with microprocessor PowerPC 400Mhz, 512MB Flash, 512MB Ram, with 7 colours 7" touch-screen display (800x480) and USB connection.

➤ MACHINE KEYBOARD

Coloured touch screen display (without keyboard).

➤ CREEL

Complete back creel.

(On request: closed creel for cotton kit).

➤ PROGRAMMING

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

➤ CONSUMPTION

Absorbed power: 2,2 kW. Compressed air: 50 Lt/min.

➤ WEIGHT

Approx. KG. 1300.

➤ LUBRICATION

Uniwave Projectile 419 - DropsA

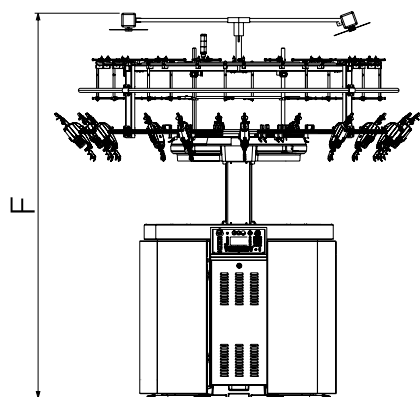
➤ PRODUCTION

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"

A 2340 mm

B 1485 mm

C 730 mm

D 3340 mm

E 2560 mm

F 2800 mm

A 2600 mm

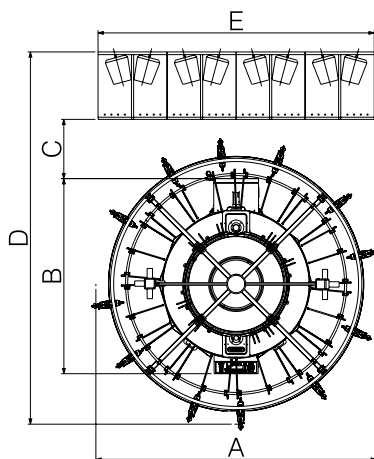
B 1645 mm

C 780 mm

D 3600 mm

E 2560 mm

F 2800 mm



24"

A 2600 mm

B 1810 mm

C 700 mm

D 3600 mm

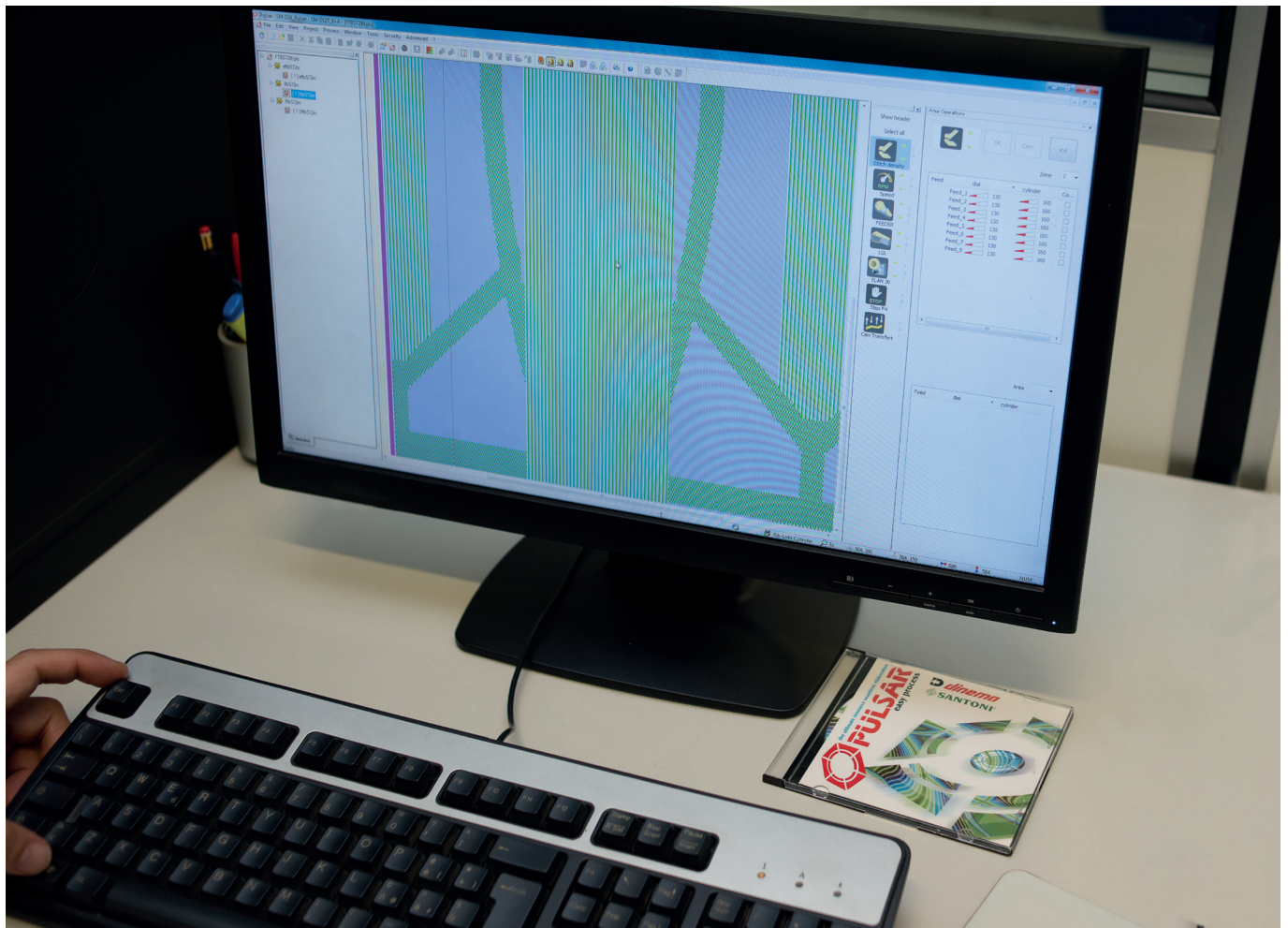
E 2560 mm

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®



SOFTWARE PULSAR EASY PROCESS

The details and the variety of items which can be knitted on SM-DJ2T Machine have reached such complex levels that new knitting methods had to be invented.

The Pulsar software was projected and developed by DINEMA in order to respond to these new demands.

The main feature of this programmer is its drastic execution time reduction; no matter how the complexity of the item is.

The versatile capabilities of the Pulsar software are such an important tool to both the stylist and the machine technician.



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