

SEAMLESS TECHNOLOGY

ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

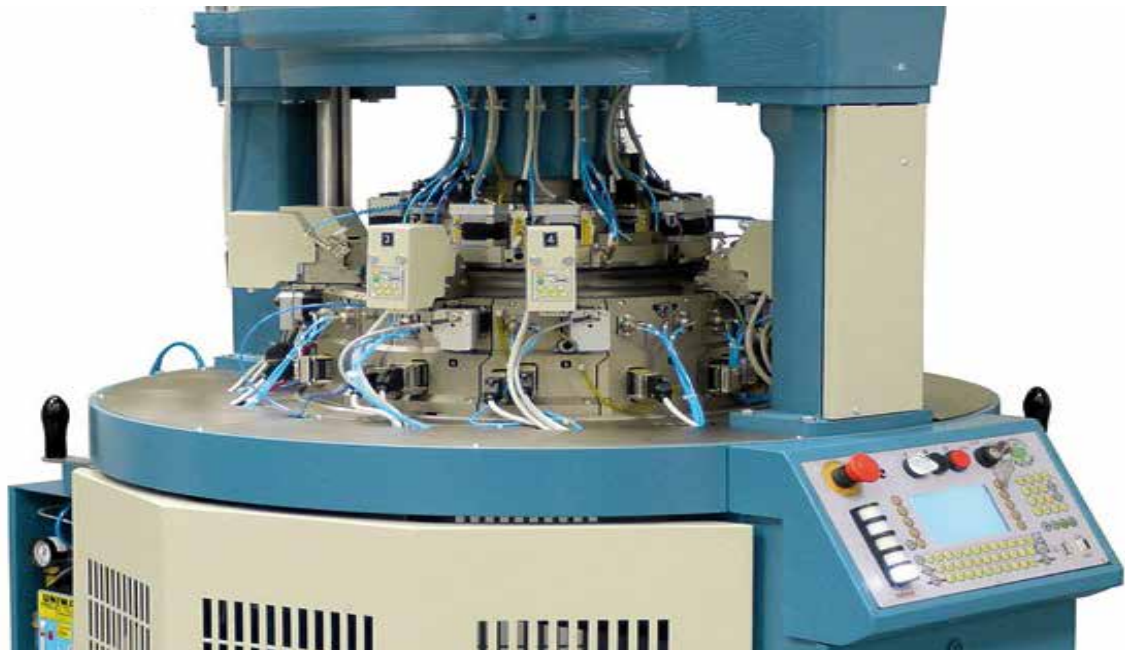
SM-DJ2T / DJ2TS / DJ

DOUBLE JERSEY

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SEAMLESS TECHNOLOGY

SM-DJ2T / DJ2TS / DJ DOUBLE JERSEY

Double knit electrical circular knitting machine for rib knitting with 1 or 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. The SM-DJ models are available without transfer and for gauge 22 only.

SEAMLESS TECHNOLOGY

SM-DJ2T / DJ2TS / DJ DOUBLE JERSEY

➊ DIAMETERS

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

➋ MACHINE GAUGE

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

➌ NEEDLE GAUGE

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

➍ 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).

SM-DJ: 10 feeds (E22 without transfer).

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

Configuration 1: 8 feeds + 4 transfer feeds.

Configuration 2: 12 feeds one of which integral one (integral feed = Feed + transfer feed).

SM-DJ: 12 feeds (E22 without transfer).

For diameter 24"

Configuration 1: 12 feeds + 6 transfer feeds.

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

➎ TRANSFER

Accordingly to the machine configuration always bi-directional.

➏ MAXIMUM SPEED

Diameters from 14" to 24" speed factor 640 (16" 40 rpm).

➐ TYPE OF SELECTION

SM-DJ2T e SM-DJ: 2 actuators at 8 levels on cylinder feed, 1 actuator on dial feed, 1 actuator on all transfer feeds both in dial and cylinder.

SM-DJ2TS: 1 actuator at 8 levels on cylinder feed, 1 actuator on dial feed, 1 actuator on all transfer feeds both in dial and cylinder.

➑ YARNFINGERS

SM-DJ2T e SM-DJ: 6 yarnfingers and 6 trappers-yarn cut on each feed.

SM-DJ2TS: 6 yarnfingers and 6 trappers on one feed, 3 yarnfingers and 3 trappers on remaining feeds.

➒ TAKE DOWN

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

➓ 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.

SM-DJ2T e SM-DJ: 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**

SM-DJ2T: n° 2 LGL E-COMPACT on each feed. SM-DJ2TS: n° 2 LGL E-COMPACT on each feed.

Optional: LGL E-COMPACT, B TSR UNIFEEDER, DINEMA YO-YO, B TSR ULTRAFEEDER 2, IRO ELAN30 (barelycra), ROLLINGFEEDER

➤ **CREEL**

Complete back creel with pneumatic threading-in. On request: closed creel for cotton kit.

SM-DJ2TS: complete back creel with manual threading-in.

➤ **ELECTRONIC CONTROLLER**

Dinema SK HIE.

➤ **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**

Pneumatic lubrication.

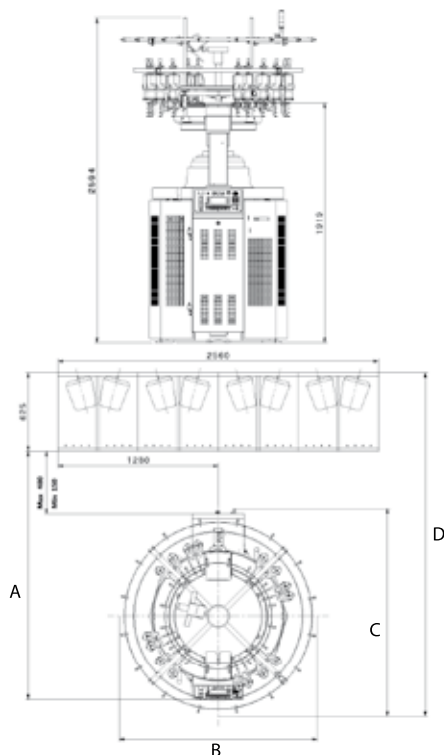
➤ **PRODUCTION**

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

➤ **NORMATIVE**

The machine meets the CE normative and is UL compatible.

TECHNICAL DRAWING AND SIZE



14"/16"

17"/20"

A 1635 / 1885 mm

A 1797 / 2047 mm

B 1580 mm

B 1742 mm

C 1663 mm

C 1825 mm

D 2395 / 2645 mm

D 2557 / 2807 mm

24"

A 3040 mm

B 2600 mm

C 2600 mm

D 3800 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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