

SEAMLESS TECHNOLOGY

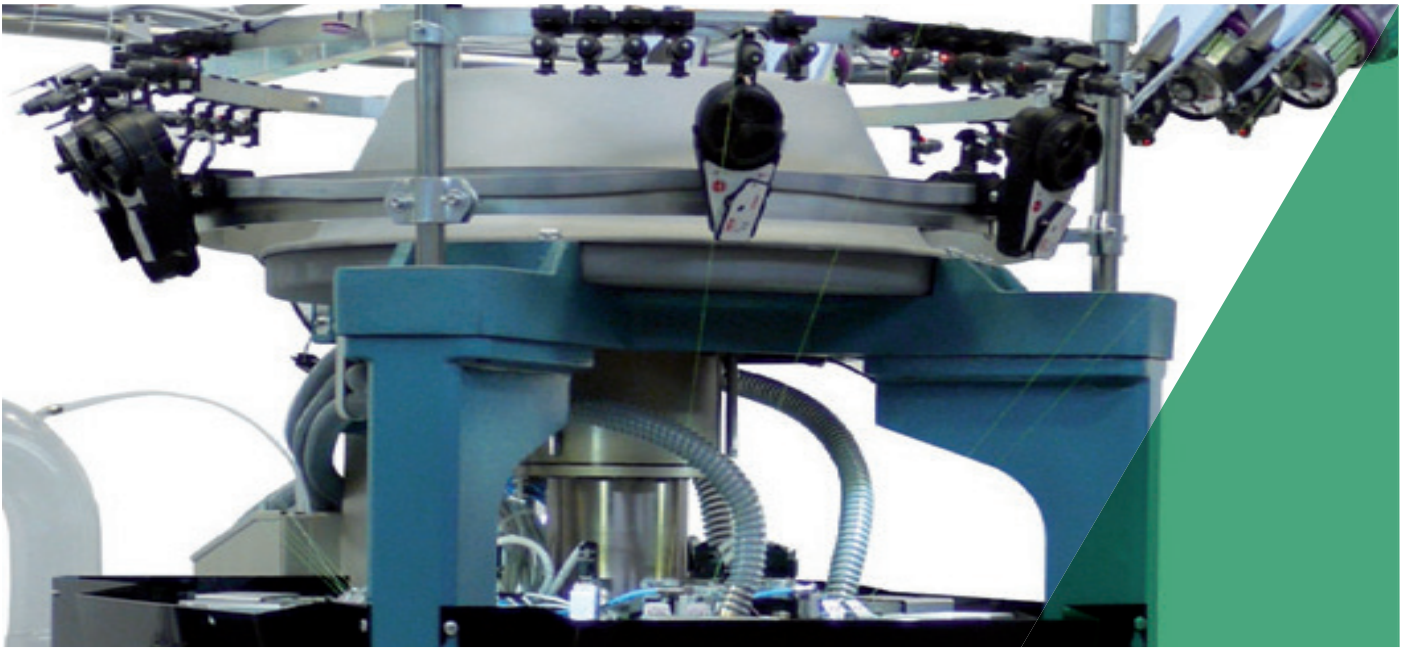
ELECTRONIC SEAMLESSWEAR KNITTING MACHINE

SM6-RIB2 DOUBLE JERSEY

SEAMLESS TECHNOLOGY

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SM6-RIB2 DOUBLE JERSEY

Double knit electronic circular knitting machine with 6 feeds, suitable for the production of single piece garment with true rib border. Single jersey knitting with three technical ways, high definition and floating yarn patterning. Possibility to use natural, synthetics, man made fibre yarns, bare and covered elastomer.

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SM6-RIB2 DOUBLE JERSEY

TECHNICAL FEATURES

DIAMETERS

15" - 16" - 17" - 18" - 19" - 20" - 21" - 22"

MACHINE GAUGE

Npi 12 - 14 - 16 - 18

NEEDLES GAUGE

From gg 36 to gg 54.

NUMBER OF FEEDS

6 on cylinder and 6 on dial.

TRANSFER

3 transfer positions dial to cylinder.

MAXIMUM SPEED

Diameter 18" speed factor from 1260 (18" 70 rpm) related to the cylinder knitting only.

Diameter 18" speed factor from 1080 (18" 60 rpm) related to dial/cylinder knitting.

TYPE OF SELECTION

Cylinder: 2 actuators at 8 levels each feed.

Dial: 1 actuator at 8 levels each feed and transfer position (9 in total).

STRIPPING YARNFINGERS

Multiposition yarnfingers (patented by Santoni) n° 6 per each feed.

TRAPPER FOR BARE AND COVERED ELASTIC YARN

Max. n° 2 units on each feed (n° 12 trappers in total).

DIAL NEEDLES AND YARN CUTTER

Dial vertical movement driven by a pneumatic control. Trimer knives, suction pipes and trappers for elastomeric yarn on all feeds.

SUCTION SYSTEM

By three suction fans or central system. Inner tube stitch formation Ø 150 mm. Garment transfer tube Ø 100 mm. Electronic valve with incremental programming.

STITCH CAMS

Stitch formation adjustment using step-by-step motors, done in an independent way on each feed, with possibility of loop widening, tightening and shading on the same course (patented by Santoni). On board automatic sizing on all feeds (patented by Santoni). SCS (Size Control System): automatic size control on each garment (Santoni patent).

SINKER CUP

Sinker cap for plain fabric.

MAIN KNITTING POSSIBILITIES

3 technical ways on the cylinder with high definition patterning and floating yarn patterning. Garments with a true rib welt. Single or double welt 1x1, 3x1, 7x1, 2x2, 6x2.

YARN FEEDERS

N° 6 LGL Santoni ECOPOWER ATTIVO feeders with serial connection enabling visualization on board of yarn absorption.

N° 1 DINEMA YOYO feeder on feed 2 with serial connection (for rib welt garment knitting start).

Optional: DINEMA YOYO; BTR ULTRAFEEDER; LGL SPIN; LGL SANTONI ECOPOWER ATTIVO; MEMMINGER ELAN.

YARN SENSORS

Optical serial sensor.

CREEL

Complete back creel with 24 positions.

Option: creel with pneumatic threading or closed creel for cotton yarn.

LUBRICATION

Diversified oil control.

CYLINDER ROTATION

Brushless motor and electronic handwheel for manual control.

TECHNICAL FEATURES

● ELECTRONIC CONTROLLER

HIE2 Electronic (High Integration Electronic) with integrated board from Dinema, for the serial checking of all exit, protected from short circuit. RAM memory capacity 6 MB. Net board with RJ45 plug on control panel.

● MACHINE KEYBOARD

Color keyboard with monochromatic display backlit.

● PROGRAMMING

New programming software POLARIS "User friendly". Polaris automatically manages the garment size according to the machine diameter, maintaining the same stitch length. Programs can be transferred to the machine by computer cable, USB key or net.

● CONSUMPTION

Absorbed power: fans 4,4 kW (at 400V / 50Hz) or 5,6 kW (at 220V / 60Hz); motor 2,5 kW.

Compressed air: 75 liters/min at 6 bar.

● WEIGHT

Kg 995 / 1145 ca.

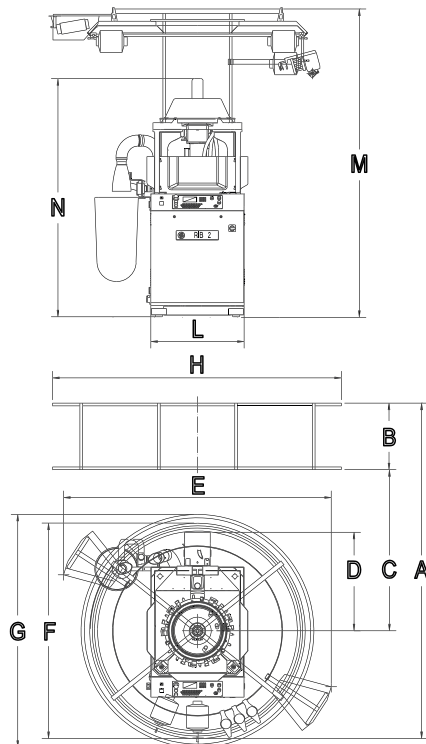
● PRODUCTION

Outwear seamless-wear garment with true rib welt.

● NORMATIVE

The machine meets the CE normative and is UL compatible.

TECHNICAL DRAWING AND SIZE



A	3010 mm
B	600 mm
C	1450 mm
D	900 mm
E	2410 mm
F	1940 mm
G	2104 mm
H	2050 mm
L	840 mm
M	2900 mm
N	2290 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.



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