

LARGE DIAMETER

CIRCULAR KNITTING MACHINE

PULSAR

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Eight Lock Interlock Machine Combining finest quality fabrics with high productivity.

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The Pulsar is a very robust machine with 2.8 feeds per diametrical inch suitable for the production of Interlock and 8 lock structured fabrics. The Machine can receive up to 4 cam tracks on the cylinder and 2 on dial. It is available with tubular as well as with Open Width Frame. Camboxes are very light, made by a special aluminum alloy named Ergal having a great heat dissipation property. Ergal is capable to avoid dimensional changes due to the variation of temperature between the starting and the regular running of the machine. The yarn carrier head is made of Black Zirconium, it allows a better visibility of the elastomer. The perfect relation between diameter and number of feeds per inch aims at getting the best quality stitch formation with the high productivity. Equally vital is the design of the needles and cams profile through a formula developed by Santoni, assuring a precise and stable movement of needles.

Pulsar is available in two variants:

- 18 to 36 gauge
 - 40 to 50 gauge - a possible non-laddering weft knitted fabric alternative to warp knitted fabric.
- This will satisfy the demand for a beautiful hand feel and an impeccably uniform smoothness of fabric.



Diam.		26"	28"	30"	32"	34"	36"	38"	40"
Fin. / gg	Pulsar 2.4	16 - 44	16 - 44	16 - 44	16 - 44	16 - 44	16 - 44	16 - 44	16 - 44
	Pulsar 2.8	18 - 50	18 - 50	18 - 50	18 - 50	18 - 50	18 - 50	18 - 50	18 - 50
Cad. / Feed	Pulsar 2.4	62	68	72	78	84	86	92	96
	Pulsar 2.8	72	78	84	88	94	100	106	112
Maximum Speed (RPM)		37	34	32	30	28	27	25	24

Standard equipment
Positive feeding units
Automatic lubrication device
Yarn input measuring device
Yarn feed stop motion, needle break detectors
Tubular frame
Fully tubed aluminum side creel
Motorized slitting and fabric opening system by oblique bars (patented - for open width frame only)

Diam.	GG / Fin.	Frame Size cm / Bas.	Max r.p.m. "up to 32 gg"
30"	18 - 50	195 / 220 cm	32
32" - 34"	18 - 50	220 cm	28
36" - 40"	18 - 40	245 cm	24

Optionals
Positive feeding units type MPF 20-P1 - for ultrafine gauges
Lycra kit
Lycra feeding units
Basket with lapping device
Open width frame
Side creel without top tubes - for fine gauge
IDCS-Intelligent Dial Control System - Patented by Santoni. It guarantees a constant yarn tension according to the temperature of the machine

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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