

WOMEN'S WOMEN'S SINGLE CYLINDER LB04MJ

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All images in this brochure are indicative and not binding.

WOMEN'S SINGLE CYLINDER LB04MJ

Electropneumatic single cylinder machine with 4 feeds plus 1 needle-needle selection drum on each feed (4 in total) for the production of pantyhose and knee-high socks in baguette pattern, tuck, jacquard. 5 yarnfingers with dual pneumatic control for each feed, 1 motorized plating yarnfinger with pneumatic control for angular movement and 2 pneumatic controls to set height and depth. Stitch cams motorized for gradual or partial stitch narrowing or widening in any part of the sock. Pantyhose and knee high option with movable stitch cams with 2 colors each course, cut-boss (jacquard relief), single or double dial jacks. Electronic device to maintain the size at any temperature of the machine.

- 4 feeds single cylinder machine
- 6 pliers suction unit
- 24 yarnfingers
- Motorized sinkers cap, 2 motors
- 4 motorized stitch cams
- 1 electronic selection unit on each feed

DIMENSIONS



Length 60 cm + yarn creel cm 145
Depth 60 cm + yarn creel cm 145
Height 136 cm + yarn creel 265 cm

WEIGHT



Machine 230 kg
Yarn creel 70 kg

CERTIFICATION



Green
Label

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TECHNICAL FEATURES

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
LB04MJ (Needle latch 7 mm)	4"	32	0.34 mm

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STANDARD DEVICES

- 40 reels yarn creel
- Sock ejection hood
- Yarn waste filter
- Stepper motor controlled suction valve
- rotary or fixed antitwist device
- 4 pull-out stitch unit with motorized heights control
- 6 pliers suction unit (plates, hooks and cut-pick)
- 8 yarn sliding sensors
- Motorized radial plating on first yarnfinger
- Extra latch-opener for open-work

OPTIONAL DEVICES

- DREAM or DREAM ONE device for stretching socks in ejection
- 2,2 Kw suction fan
- Production data collecting system: DCN ethernet
- Dinema YoYo yarn feeder, 12 max
- Dinema Plus medical or bare elastomer yarn feeders, 4 max
- Yarn sensors, 24 max
- Motorized rising dial unit
- Knit-in device kit
- Mechanical device for knitted-in elastomer on each feed

SUITABLE YARNS

The machine is designed to be used with the following yarns:

- Nylon;
- Filanca;
- Elastomers (bare, single or double cover);
- Stretch, for transparent items;

POSSIBLE KNITTINGS

The standard machine can perform the following knittings

- Plain knit
- 1:1, 3:1, 5:1, 7:1, 1:3 fixed mesh, micromech and diagonal mesh
- Different selections for vertical cutting bands
- Several 1:1, 2:2 (cut boss) pattern, bikini pattern, pattern heel, pushup etc.
- Supp-hose on 2 or 4 feeds
- Plain knit plating on 2 or 4 feeds

NUMBER OF COLORS

Number of colors

- Alimentazioni in lavoro 1-2-3-4: un colore per rango
- Alimentazioni in lavoro 1-3- o 2-4: due colori per rango
- Alimentazioni in lavoro 4-1: su 4 tre colori per rango, su 1 un colore per rango
- Alimentazione in lavoro solo 4: quattro colori per rango

PERFORMANCES

	4" CYLINDER DIAMETER
GAUGE	32
KNITTING FEATURES	550 rpm with pattern, stitch cams at 55°
	600 rpm plain knit, no pattern, stitch cams at 55°
	700 rpm plain knit, no pattern, stitch cams at 48°
	800 rpm plain knit, no pattern, stitch cams at 40°
MAXIMUM SPEED	800 RPM

Above data are indicative and not binding.

DISCLAIMER:

Speed may need to be adjusted according to the inclination of the stitch cams, to the mechanical parts in use and to the yarn.
N.B. All data in the brochure are for information only and subject to change without any prior notice from Lonati SpA.

ALLOWED PERFORMANCES

CHART OF MAXIMUM ALLOWED SPEED IN PLAIN KNIT IN RELATION TO THE INCLINATION TO THE STITCH CAMS	
Stitch cam inclination	Maximum allowed speed in plain knit
40°	800
48°	700
55°	600

NUMBER OF POSSIBLE COLORS ON EACH COURSE ACCORDING TO THE NUMBER OF WORKING FEEDS	
Working feeds	Number of colors
1° - 2° - 3° - 4°	1 each course
1° - 3° o 2° - 4°	2 each course
4° - 1°	Feed 4(3 colors) feed 1(1 color)
4°	4 each course

AVAILABLE CYLINDERS	
GG75-0,34	300 - 320 - 336 - 352 - 368 - 384 - 386 - 398 - 400 - 402 - 432
GG70-0,41	288 - 320 - 336 - 352
GG54-0,50	176 - 208 - 240 - 256 - 288 - 320

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DISCLAIMER:

All data related to maximum allowed mechanical speed may require to be reduced (to be adjusted according to functional tests on the machine) when using specific particular yarns and/or knitting features.



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