

WOMEN'S WOMEN'S SINGLE CYLINDER LB04JS

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All images in this brochure are indicative and not binding.

WOMEN'S SINGLE CYLINDER LB04JS

Electropneumatic single cylinder 4 feeds machine for the production of knitted fabrics in natural fibers (cotton, wool, etc) with 1 needle-needle selection unit on each feed (4 in total) for the production of pantyhose and knee high with baguette, tucked and jacquard pattern. 5 yarnfingers with dual pneumatic control are available on each feed plus one plating motorized yarnfinger for angular movement and 2 pneumatic control for height and depth. Stitch cams are controlled by stepper motors to tighten or loosen stitches gradually or partially in any part of the sock. Mobile stitch cams to produce pantyhose and knee high with 2 colors on each course, cut boss. Single or double dial jacks. Electronic device to maintain size at any temperature on the machine.

- 4 feeds single cylinder machine
- 6 pliers suction unit
- 24 yarnfingers
- Motorized sinkers cap, 2 motorsi
- 4 stitch cams with motorized control of heights
- 1 pneumatic selection unit on each feed

DIMENSIONS



Length 60 cm + yarn creel cm 145
Depth 60 cm + yarn creel cm 180
Height 136 cm + yarn creel 265 cm

WEIGHT



Machine 230 kg
Yarn creel 48 kg

CERTIFICATION



Green
Label

WOMEN'S SINGLE CYLINDER LB04JS

TECHNICAL FEATURES

| MODEL | CYLINDER DIAMETER | GAUGE | NEEDLE THICKNESS |
|----------------------------|-------------------|-------|------------------|
| LB04JS (Needle latch 7 mm) | 4" | 19 | 0.6 mm |

Above data are indicative and not binding.

TECHNICAL FEATURES

- 42 reels "cotton" yarn creel;
- Sock ejection hood;
- Yarn waste filter;
- Stepper motor controlled suction valve;
- Rotary or fixed antitwist device;
- 4 pull-out stitch units with motorized height 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 mesh;
- Mechanical laid-in elastomer device on each feed;

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 course device kit
- LGL unwind yarn device kit - 8 max

SUITABLE YARNS

The machine is designed to be used with the following yarns

- Cotton;
- Wool;
- Natural fibers yarn;
- Elastomers (bare, single or double cover);
- Filanca
- Nylon

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;
- Several selections for vertical bands for cutting;
- Several pattern on 1:1, 2:2 etc, cut boss, bikini, pattern heel, pushup, etc.;
- Supp-hose on 2 or 4 feeds;
- Plating on plain knit on 2 or 4 feeds;

NUMBER OF COLORS

Number of colors

- Working feeds 1-2-3-4: 1 color each course
- Working feeds 1-3 o 2-4: 2 colors each course
- Working feeds 4-1: 3 colors on feed 4 and 1 color on feed 1 each course
- Working feed 4: 4 colors on feed 4 each course

PERFORMANCES

| | 4" CYLINDER DIAMETER |
|-------------------|---|
| GAUGE | from 10 to 32 |
| KNITTING FEATURES | 400 rpm maximum in pattern |
| | 450 rpm maximum in plain knit without pattern |
| MAXIMUM SPEED | 450 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 |
|------------------------|-------------------------------------|
| 58° | 450 |

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 |

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| | |
|-----------|-----------------------|
| GG75-0,34 | 400 |
| GG70-0,41 | 288 - 336 |
| GG54-0,50 | 208 - 240 - 288 |
| GG48-0,60 | 208 - 240 - 256 |
| GG36-0,70 | 128 - 144 - 160 - 176 |

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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.



LONATI SPA

Via Francesco Lonati, 3 | 25124 Brescia (Italy)
Tel. +39 030 23901 | Fax +39 030 2310024
C.F.: 01469680175 | P.iva: 02096730961
info@lonati.com - www.lonati.com