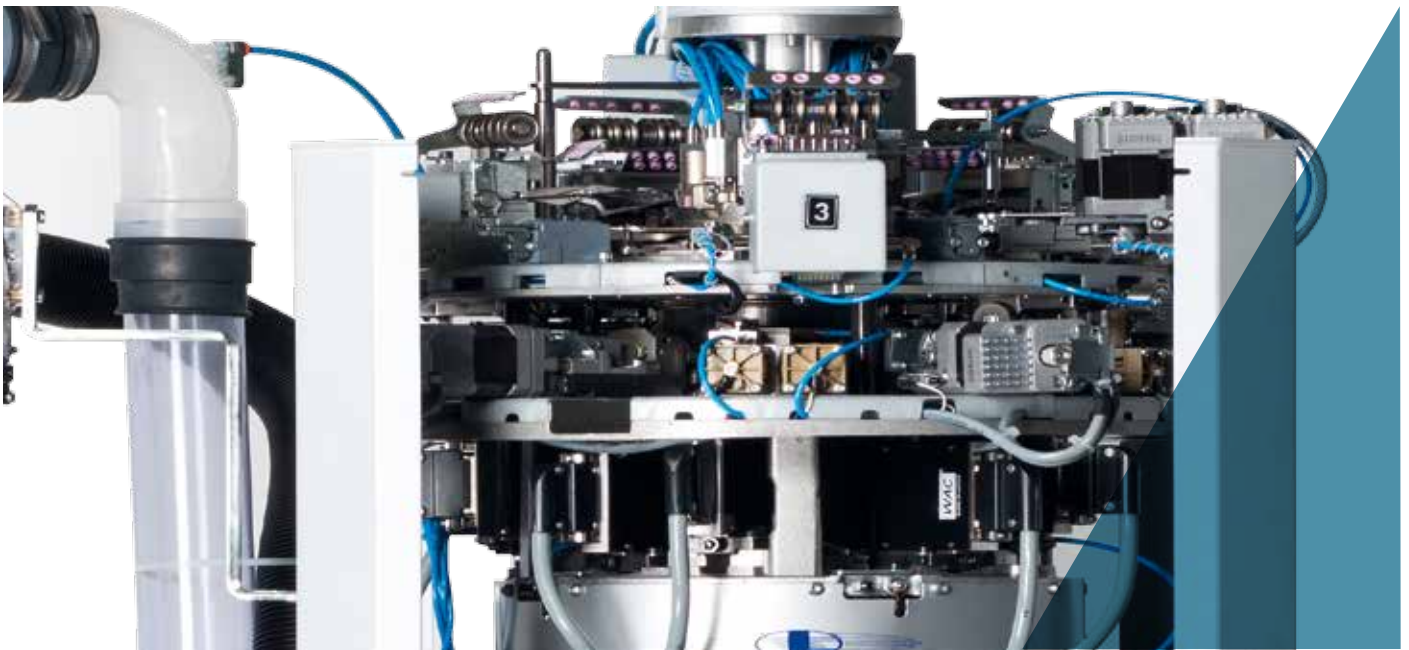


MEDICAL
SINGLE CYLINDER
LB40ME - LB45ME - LB50ME - LB55ME - LB60ME

SINGLE CYLINDER

LB40ME - LB45ME - LB50ME - LB55ME - LB60ME





All images in this brochure are indicative and not binding.

SINGLE CYLINDER

LB40ME - LB45ME - LB50ME - LB55ME - LB60ME

Electropneumatic single cylinder 4 feeds machine for the production of class 1,2,3 compression medical socks and medical goods, with reciprocated heel and toe on 1 feed with 2 rising needle pickers and 2 droppers, or pouch type heel and toe. 2 electronic selection units on each feed (one in tucking position and one in clearing position). Motorized stitch cams for enlargements in any area of the garments or on course. Single or double dial jacks. 2 or 4 feeds pattern. reciprocated heel and toe in different sizes and in different positions. Full-electronic programming of the knitting cycle. machine memory for the storing of different items in 8 sizes each. Electronic device to maintain the size at any temperature of the machine.

- 4 feeds single cylinder machine
- 9 pliers suction unit
- 26 yarnfingers
- Motorized sinkers cap, 2 motors
- 5 motorized stitch cams
- 2 electronic selection units on each feed

DIMENSIONS



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

WEIGHT



Machine ca. 230 Kg
Yarn creel ca. 70 Kg

CERTIFICATION



Green
Label

SINGLE CYLINDER

LB40ME - LB45ME - LB50ME - LB55ME - LB60ME

TECHNICAL FEATURES

| MODEL | CYLINDER DIAMETER | GAUGE | NEEDLE THICKNESS |
|-------------------------------|-------------------|---------------|------------------------------|
| LB40ME (Needle latch mm. 9,5) | 4" | from 14 to 34 | 0.34 - 0.41 - 0.50 - 0.60 mm |
| LB45ME (Needle latch mm. 9,5) | 4" 1/2 | from 17 to 34 | 0.34 - 0.41 - 0.50 - 0.60 mm |
| LB50ME (Needle latch mm. 9,5) | 5" | from 20 to 32 | 0.34 - 0.41 - 0.50 - 0.60 mm |
| LB55ME (Needle latch mm. 9,5) | 5" 1/2 | from 20 to 32 | 0.34 - 0.41 - 0.50 - 0.60 mm |
| LB60ME (Needle latch mm. 9,5) | 6" | from 15 to 32 | 0.34 - 0.41 - 0.50 - 0.60 mm |

Above data are indicative and not binding.

STANDARD DEVICES

- Medical creel or 40 or 26 reels yarn creel;
- Sock ejection hood;
- Yarn waste filter;
- Stepper motor controlled suction valve;
- Rotary or fixed antitwist device;
- 5 motorized stitch units;
- Pre-arrangement for 4 medical feeds;
- YOYO pre-arrangement;
- Motorized rising dial;
- Motorized yarn cutter;
- 9 pliers suction unit (plates, hooks and cut-pick);
- 8 yarn sliding sensors;

OPTIONAL DEVICES

- DREAM or DREAM ONE device for stretching socks in ejection
- 2,2 or 3 Kw suction fan
- Production data collecting system: DCN ethernet
- Dinema YoYo yarn feeder, 12 max
- Dinema Plus medical or bare elastomer yarn feeders, 8 max
- Yarn sensors, 24 max

ALLOWED YARNS

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

- Nylon
- Filanca
- Elastomers (bare, single or double cover)
- Natural fibers

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 laid-in pattern (piquet effect), tucking, bikini pattern, cut boss etc.
- Reciprocated motion option in variable size and in any area
- Supp-hose on 2 or 4 feeds
- Plating on 4 feeds

NUMBER OF COLORS

Number of colors

- Working feeds 1-2-3-4: one color each course
- Working feeds 1-3 or 2-4: 2 colors each course
- Working feed 4: 3 colors each course

PERFORMANCES

| | 4" Ø CYLINDER (BL40ME) 4" 1/2 Ø CYLINDER (BL45ME) 5" Ø CYLINDER (BL50ME) 5" 1/2 Ø CYLINDER (BL55ME) 6" Ø CYLINDER (BL60ME) |
|---------------|---|
| GAUGE | from 14 to 32 |
| MAXIMUM SPEED | 500 rpm (LB40), 450 rpm (LB45), 400 rpm (LB50), 350 rpm (LB55), 300 rpm (LB60) |

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.

| | CYLINDER Ø 4" (LB40ME), 4" 1/2 (LB45ME), 5" (LB50ME), 5" 1/2 (LB55ME), 6" (LB60ME) |
|---------------|--|
| GAUGE | from 14 to 32 |
| MAXIMUM SPEED | 500 rpm (LB40), 450 rpm (LB45), 400 rpm (LB50), 350 rpm (LB55), 300 rpm (LB60) |

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° - LB40ME | 500 |
| 58° - LB45ME | 450 |
| 58° - LB50ME | 400 |
| 58° - LB55ME | 350 |
| 58° - LB60ME | 300 |

| NUMBER OF POSSIBLE COLORS ON EACH COURSE ACCORDING TO THE NUMBER OF WORKING FEEDS | |
|---|------------------|
| Working feeds | Number of colors |
| 1° - 2° - 3° - 4° | 1 x each course |
| 2° - 4° | 2 x each course |
| 4° | 3 x each course |

Above data are indicative and not binding.

DISCLAIMER:

TAII 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.

MONO CILINDRO

LB40ME - LB45ME - LB50ME - LB55ME - LB60ME

| CILINDRI DISPONIBILI | | | | |
|----------------------|----------------|----------------|---------------|---------------|
| MACCHINA | NR. AGHI | SPESSORE AGO | FINEZZA M/C | TIPO AGO |
| LB40ME (4") | 176 | mm. 0,50 GG 54 | 14 | G045-G040 |
| | 192 | mm. 0,60 GG 48 | 15 | G0311-G0312 |
| | 200 | mm. 0,60 GG 48 | 16 | G0311-G0312 |
| | 208 | mm. 0,50 GG 54 | 16-17 | G045-G040 |
| | 240 | mm. 0,60 GG 48 | 19 | G0311-G0312 |
| | 240 | mm. 0,50 GG 54 | 19 | G045-G040 |
| | 256 | mm. 0,50 GG 54 | 20 | G045-G040 |
| | 288 | mm. 0,50 GG 54 | 23 | G045-G040 |
| | 288 | mm. 0,41 GG 70 | 23 | G07401-G07402 |
| | 304 | mm. 0,41 GG 70 | 24 | G07401-G07402 |
| | 320 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 320 | mm. 0,34 GG 75 | 26 | G07711-G07712 |
| | 328 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 336 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 336 | mm. 0,34 GG 75 | 27 | G07711-G07712 |
| | 341 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 352 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 352 | mm. 0,34 GG 75 | 28 | G07711-G07712 |
| | 358 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 368 | mm. 0,41 GG 70 | 30 | G07401-G07402 |
| | 368 | mm. 0,34 GG 75 | 30 | G07711-G07712 |
| | 375 | mm. 0,41 GG 70 | 30 | G07401-G07402 |
| | 384 | mm. 0,34 GG 75 | 30 | G07711-G07712 |
| | 400 | mm. 0,34 GG 75 | 32 | G07711-G07712 |
| 401 | mm. 0,34 GG 75 | 32 | G07711-G07712 | |
| 402 | mm. 0,34 GG 75 | 32 | G07711-G07712 | |
| 432 | mm. 0,34 GG 75 | 34 | G07711-G07712 | |

| CILINDRI DISPONIBILI | | | | |
|----------------------|----------|----------------|-------------|---------------|
| MACCHINA | NR. AGHI | SPESSORE AGO | FINEZZA M/C | TIPO AGO |
| LB45ME (4"½) | 240 | mm. 0,60 GG 48 | 17 | G0311-G0312 |
| | 254 | mm. 0,60 GG 48 | 18 | G0311-G0312 |
| | 270 | mm. 0,60 GG 48 | 19 | G0311-G0312 |
| | 282 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 288 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 320 | mm. 0,50 GG 54 | 22 | G045-G040 |
| | 340 | mm. 0,50 GG 54 | 24 | G045-G040 |
| | 340 | mm. 0,41 GG 70 | 24 | G07401-G07402 |
| | 352 | mm. 0,50 GG 54 | 25 | G045-G040 |
| | 352 | mm. 0,41 GG 70 | 25 | G07401-G07402 |
| | 368 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 369 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 372 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 376 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 384 | mm. 0,41 GG 70 | 27 | G07401-G07402 |
| | 396 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 400 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 400 | mm. 0,34 GG 75 | 28 | G07711-G07712 |
| | 420 | mm. 0,41 GG 70 | 30 | G07401-G07402 |
| | 425 | mm. 0,41 GG 70 | 30 | G07401-G07402 |
| | 440 | mm. 0,34 GG 75 | 31-32 | G07711-G07712 |
| | 448 | mm. 0,34 GG 75 | 32 | G07711-G07712 |
| | 451 | mm. 0,34 GG 75 | 32 | G07711-G07712 |
| | 480 | mm. 0,34 GG 75 | 34 | G07711-G07712 |

| CILINDRI DISPONIBILI | | | | |
|----------------------|----------------|----------------|---------------|---------------|
| MACCHINA | NR. AGHI | SPESSORE AGO | FINEZZA M/C | TIPO AGO |
| LB50ME (5") | 312 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 313 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 320 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 336 | mm.0,50 GG 54 | 22 | G0045-G040 |
| | 376 | mm.0,41 GG 70 | 24 | G07401-G07402 |
| | 376 | mm. 0,50 GG 54 | 24 | G045-G040 |
| | 384 | mm. 0,50 GG 54 | 24 | G045-G040 |
| | 391 | mm. 0,50 GG 54 | 26 | G045-G040 |
| | 399 | mm. 0,41 GG 70 | 25 -26 | G07401-G07402 |
| | 400 | mm. 0,50 GG 54 | 25 -26 | G045-G040 |
| | 408 | mm. 0,41 GG 70 | 26 | G07401-G07402 |
| | 420 | mm. 0,41 GG 70 | 27 | G07401-G07402 |
| | 432 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 436 | mm. 0,41 GG 70 | 27 | G07401-G07402 |
| | 440 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 444 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 472 | mm. 0,41 GG 70 | 30 | G07401-G07402 |
| | 496 | mm. 0,34 GG 75 | 32 | G07711-G07712 |
| 501 | mm. 0,34 GG 75 | 32 | G07711-G07712 | |

| CILINDRI DISPONIBILI | | | | |
|----------------------|----------|----------------|-------------|---------------|
| MACCHINA | NR. AGHI | SPESSORE AGO | FINEZZA M/C | TIPO AGO |
| LB50ME (5" ½) | 352 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 420 | mm. 0,50 GG 54 | 24 | G045-G040 |
| | 480 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 484 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 560 | mm. 0,34 GG75 | 32 | G07711-G07712 |

| CILINDRI DISPONIBILI | | | | |
|----------------------|----------|----------------|-------------|---------------|
| MACCHINA | NR. AGHI | SPESSORE AGO | FINEZZA M/C | TIPO AGO |
| LB50ME (6") | 288 | mm. 0,70 GG 36 | 16 | |
| | 288 | mm. 0,60 GG 48 | 16 | G0311-G0312 |
| | 289 | mm. 0,60 GG 48 | 16 | G0311-G0312 |
| | 366 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 368 | mm. 0,60 GG 48 | 20 | G0311-G0312 |
| | 400 | mm. 0,60 GG 48 | 21 | G0311-G0312 |
| | 452 | mm. 0,50 GG 54 | 24 | G045-G040 |
| | 528 | mm. 0,41 GG 70 | 28 | G07401-G07402 |
| | 600 | mm. 0,34 GG75 | 32 | G07711-G07712 |

I dati che precedono sono indicativi e non vincolanti.



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