

M SERIES

"FUKUHARA"

**Super-High Speed
Computerized Double-Knit
Jacquard Machine
for Mattress Ticking**

M-LEC8BSH



*The photo may include optional items.

FUKUHARA

□ M-LEC8BSH

M-LEC8BSH is a multi-feeder super-high speed electronic jacquard mattress ticking machine. Based on V-LEC8BSC, the existing multi-feeder electronic jacquard mattress ticking machine, we have developed an ultimate super-high speed electronic jacquard knitting machine that can achieve SF900 by redesigning the needle selection actuator and the cams with our state of the art technology and know-how. This model, having 108 feeders (on 38"), achieves super-high speeds of approximately 24rpm and ensures a significant increase of production compared with conventional electronic jacquard knitting machines.

STANDARD SPECIFICATION

- Diameter : 38"
- No. of feed : 108F
- Gauge (n.p.i.) : 18G - 20G
- Frame : "M" frame (single bed for high speed operation), Quick change facility cylinder/dial
- Drive : AC Inverter with 5.5KW motor
- Take-up : ACT-7 Servo-motor controlled friction roll System (Max. fabric roll dia. 850mm)
Take-up roll width: 1,531mm
- Cylinder cam : Semi-closed cam (stitch/raising separate type)
2-position (K, W) needle selection with S.S. actuators
Stitch draw amount: 2.2mm for cylinder feed
Stitch draw amount: 1.2mm for rib feed
- Dial cam : 4-position (K, T, W, S) needle selection with 2-race exchange cams [ST]: 2-position (K, S)
Stitch draw amount: 1.8mm
- Cam timing : Synchronized timing
- Yarn feeding device : MPF20P1(1unit/2F) 1ring 2tapes
SFE(1unit/F) 2 rings
- Yarn supplying device : Provision for side standing creel without creel
- Yarn carrier : Slit-in inlay yarn carriers
Corner hole type for the cylinder (K carrier)
Corner hole type for both side knitting
Yarn carrier ring system
- Size Ring : CADRATEX fabric spreader
- Oiling device : Projectile LF lubricator
- Auxiliary equipment : FMC-50 (memory: 16MW)
Operation panel (with color LCD touch panel & built-in USB connector)
Cooling fans (for the cylinder actuators)

FABRIC POTENTIAL

[ST]: Mattress ticking

[OP]: Full jacquard patterns, 2-position structure patterns

SPECIAL FEATURES

- **SS actuator compatible with super-high speed operation**
The cylinder needle selection system mounted with the newly developed SS actuator supporting the super-high speed operation has realized the entirely new high speed needle selection for the electronic jacquard knitting machine with a speed factor of 900. The SS actuator supporting the super-high speed operation is the fruit of the electro-magnetic technology of our company and secures a precise needle selection even under super-high speed operation.
- **FMC-50 controller**
The controller is a newly developed FMC-50 which supports super-high speeds. FMC-50 controller demonstrates a stable needle selection performance as it is possible to transfer necessary data with accuracy and without fail to the knitting machine rotating at a super-high speed.
- **Operation panel fitted with color LCD touch panel (FCP-60)**
The high-luminance and clear color LCD touch panel allows for precise operation as well as clear confirmation of inputted machine information and stripper data. Each function is shown as an icon display on the menu screen to ensure anyone can easily carry out operations by simply touching the icons. Also, a USB memory slot equipped as standard allows for high-speed transfer of even large patterns to the controller.
- **High-leg specification for larger sized rolls.**
High-leg specification is standard to allow for larger fabric rolls up to 850mm in diameter. The servo-motor driven large take-up (ACT-7 850mm roll diameter) allows for thicker fabrics such as those for mattress ticking to be taken up in longer lengths.

OPTIONAL EXTRAS

- Tuck gate cam
- Movable air mixing nozzle
- Parts for elastomeric yarn plated and full jacquard fabrics
- Additional dial cams (T, W)
- Yarn feeding device "LGL Compact" by LGL Electronics and "MPF P" by MEMMINGER-IRO
- MEMMINGER-IRO Pulsonic oiler
- Auto-oiler & air-timer unit
- Lint fans
- Flutter blower
- "FDS" pattern preparation system
- "Knit Server Software" pattern transfer software

* The above specification may be changed without notice.

* Conditions of sales may vary from country to country.

All information in this brochure is given in good faith but without warranty.

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