M
SERIES

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

M-LEC7BSH

*The photo may include optional items.

FUKUHARA

☐ M-LEC7BSH

M-LEC7BSH is a multi-feeder super-high speed electronic jacquard mattress ticking machine. Based on V-LEC7BSC, 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 84 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 : 84F+1G
- ● 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: 2.4mm
- ● Dial cam : 2-race exchange cams [ST]2-position(K,S) Stitch draw amount: 2.2mm
- ● 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 rib feed Yarn carrier- ring system
- ● Size Ring : CADRATEX fabric spreader
- ● Oiling device : Projectile LF lubricator
- ● Auxiliary equipment : FMC-50 (memory: 16MW) Operation panel (with colour LCD touch panel & built-in USB connector) Cooling fans (for the cylinder actuators) Fabric cutter Change gear (G-2507AK/BH)

OPTIONAL EXTRAS

- ● Tuck gate cam
- ● Movable air mixing nozzle
- ● Additional dial cams (T, W)
- ● Yarn feeding device "LGL E-Compact" by LGL Electronics
- ● MEMMINGER-IRO Pulsonic oiler
- ● Auto-oiler
- ● Lint fans
- ● Flutter blower
- ● "FDS" pattern preparation system

FABRIC POTENTIAL

[ST]: Mattress ticking

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 colour LCD touch panel (FCP-60)**
  The high-luminance and clear colour LCD touch panel allows for precise operation as well as clear confirmation of inputted machine information and striper 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.

- ● **FMA (Fukuhara Mobile Monitoring Application) Machine Information Display via WiFi (option)Operation panel fitted with colour LCD touch panel (FCP-60)**
  Machine information (operation speed and cause of stoppage) can be displayed in real time on devices such as smart phones or tables which are connected via a WiFi terminal. In addition, machines can be stopped remotely via the application if necessary. This new support tool is ideal for operating a large quantity of machines with only a few employees.
  [Notes of caution]
  FMA can only be used on machines fitted with an FCP-60 operation panel
  FMA can only be used on devices installed with the Android operating system. The FMA is currently not compatible with iOS devices such as the iPhone and iPad.
  A WiFi connection must be available in the user's factory in order to use the FMA.

＊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.

Fukuhara Industrial & Trading Co., Ltd.