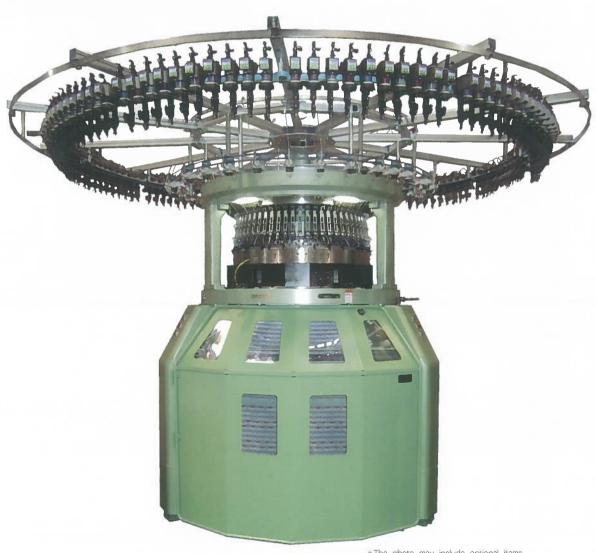


# "FUKUHARA"

Computerized Double-Knit Bothside Needle Selection Jacquard Machine with 4-colour Auto-striper

M-LEC4DFY4



\*The photo may include optional items.

FUKUHARA

### **■ M-LEC4DFY4**

M-LEC4DFY4 is an electronic jacquard machine with dual side (cylinder and dial) needle selection and 4-color auto striper functionality in combination with a full jacquard needle selection system with 3 positions on the cylinder plus 2 positions on the dial.

#### STANDARD SPECIFICATION

Diameters : 34" 36" 38"
 No. of feeds : 54F(1G) 56F(1G) 60F(1G)

• Gauges (n.p.i.) : 12G to 28G

Frame : "M" type high speed single bed frame,

quick cylinder/dial change facility

• Drive : AC inverter with 5.5KW Motor

• Take-up : ACT-7 Servo-motorized friction roll system

(max. fabric roll dia. 580mm)

• Cylinder cam : Semi-closed cams (stitch/raising separate type)

3-position needle selection by S.S. actuators

(Knit, Tuck & Welt)

Stitch amount 12G-15G=3.0mm

16G-28G=2.5mm

• Dial cam : Semi-closed cam (stitch/raising separate type)

2-position needle selection by S.S. actuators

(Knit & Welt)

Stitch amount 12G-15G=2.5mm

16G-28G=2.0mm

Cam timing : Synchronized timing

Striper : "F-type" 4-colour auto-striper (1unit/F)
 Yarn feeding device : YSJ4 yarn feeding device (1 units/F)

• Yarn supplying device: Provision for side standing creel without creel

Yarn carrier : Slit type varn carrier for striping machines

Size ring
 CADRATEX spreader
 Oiling device
 Projectile 419F lubricator

Auxiliary equipment : FMC-50 (memory: 16MW)

FCP-60 Operation panel (with color LCD touch

panel & built-in USB slot)

Cooling fans (for the cylinder actuator)

#### **SPECIAL FEATURES**

#### • Needle selection on dial and cylinder

An "individual needle selection system" has been employed to ensure needles are precisely selected one by one. Original Fukuhara SS actuators are installed to ensure the 3-position (K-T-W) needle selection on the cylinder and 2-position needle selection on the dial (in addition to the support function via exchange cams) are carried out stably. Also, the dial needle selection system has adopted a needle-jack connecting system to securely regulate the needle movement during loop formation. Thus, the M-LEC4DFY4 is even able to knit fabric structures which seemed impossible on conventional double side needle selection electronic machines, thereby making it possible to produce more unique fabrics.

#### • ACT-7 motor-driven automatic take-up unit

This model is installed with an ACT-7 servo motor driven automatic take-up unit which is lighter than previous take-ups and offers improved maintainability.

A redesign of the frame structure has also made it easier to replace the take-up drive roll. In addition, three rubber coated rolls are installed together with a reel roll anti-reverse mechanism as standard equipment to further improve the performance and operability of the machine.

#### • FMC-50 controller

The controller is a newly developed FMC-50 which supports high-speed operation and multi-feeders. The FMC-50 controller demonstrates stable needle selection performance as it is possible to transfer necessary data with accuracy and without fail to the knitting machine with multi-feeders rotating at a high speed.

#### **OPTIONAL EXTRAS**

- Large take-up and high leg (max. fabric roll dia. 850mm, 1000mm)
- MEMMINGER-IRO Pulsonic oiler
- Auto-oiler
- Lint fans
- Top stop-motions
- · Bottom stop-motions with slub catcher
- Cylinder/dial change tool
- "FDS" pattern preparation system
- Pattern transfer software by LAN (Knit server software)

#### **FABRIC POTENTIAL**

[ST]: Full jacquards, 3-position structure patterns on cylinder, 2-position structure patterns on dial + 4-colour striping pattern

[OP] : Mattress ticking fabrics

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<sup>\*</sup>The above specification may be changed without notice.

<sup>\*</sup> Conditions of sales may vary from country to country.

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