

# M2<sup>x</sup>

## SERIES

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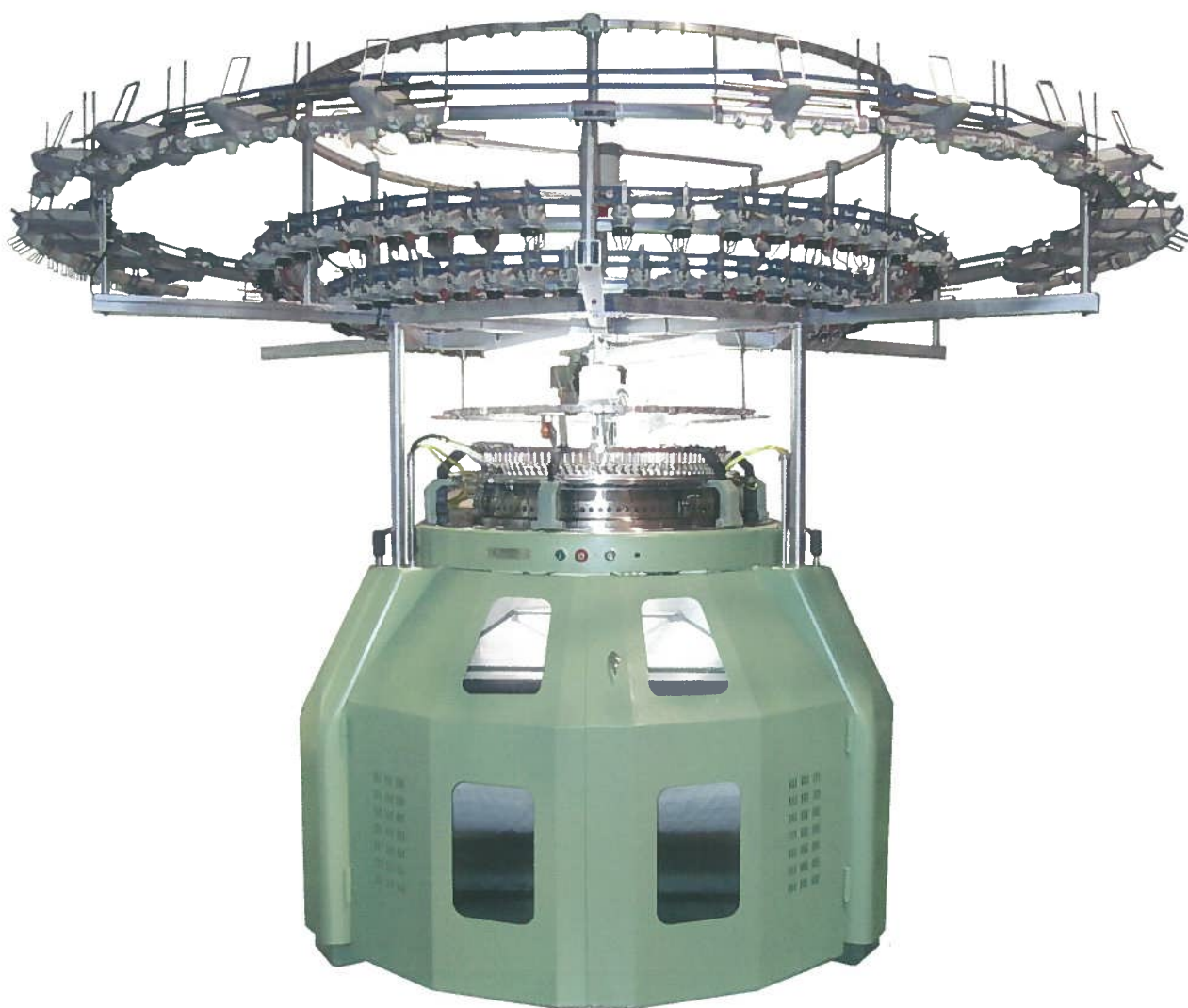
**“FUKUHARA”**

Single-Knit Raceway Machine

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### M2XC-A3.2RE

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\*The photo may include optional items.

# FUKUHARA

## □ M2XC-A3.2RE

M2XC-A3.2RE is a single knit raceway machine developed as the successor to the conventional S3.2RE and E3.2RE models. The knitting head, frame, fabric take-up, and top assembly on this Fukuhara flagship model were all newly designed to combine the highest possible knitting performance with user-friendliness.

### STANDARD SPECIFICATION

- Diameter : 26" 28" 30" 32" 34" 36" 38" 40" 42"
- No. of Feeds : 26": 84 28": 90 30": 96 32": 104 34": 108 36": 116 38": 120 40": 128 42": 136
- Gauge : 14G - 40G  
(14G to 16G as well as 32G to 40G are possible with restrictions)
- Frame : High speed single bed "M2X" frame
- Frame size : 30": 26" to 30" 36": 32" to 36" 42": 38" to 42"
- Drive : AC inverter drive with 7.5KW motor
- Yarn supply device : Provision for side standing creel without creel
- Yarn feeding device : MEMMINGER MPF-20L1 yarn feeders on 2-rings and 4-tapes (1unit/F)
- Cylinder cams : 2-race exchange closed knit cams  
Stitch draw amount : 2.5mm
- Sinker cams : Double-push sinker cams, and segmented sinker cap
- Yarn carrier : Tailed off-set type yarn carrier with thread keepers
- Oiling device : MEMMINGER Projectile 419F lubricator
- Take-up : MCT-10 (intermediate friction, mechanical take-up) (Max. fabric roll dia.560mm)
- Fabric spreader : Cadratex2
- Auxiliary equipment : Flutter blower with a 1/10 speed reducer  
Tape cleaning system  
Central stitch mechanism

### OPTIONAL EXTRAS

- Overhead bobbin rack, or side standing creel
- Large take-up and high legs
- ACT-7 (intermediate friction, servo-motor take-up)
- Necessary parts and accessories for supplying elastomeric yarn plating (MER units, elastomeric yarn feeding rollers and thread keepers)
- Parts for 3 race specification
- Auto-oiler, auto-blower
- Lint fan (indispensable for high speed operation)
- MEMMINGER-IRO Pulsonic oiler
- Yarn length meter
- FAFS (Fukuhara Air Flow System) (indispensable for high speed operation)

### FABRIC POTENTIAL

[ST] : Plain jersey

[OP] : Pique, Inlay, Elastomeric yarn plated fabrics, 3-position structure patterns (3-race), etc.

### SPECIAL FEATURES

- **Improved high speed operation**  
Stable operation at higher speeds is now a reality due to newly designed prim latch E-NEEDLES controlled via the latest cam technology and a newly developed M2 frame fitted with more precise sliding parts and a newly designed gear ring which minimalizes heat displacement. Plating performance superior to conventional raceway models is achievable even when operating at higher speeds.
- **Newly designed low friction cylinder (patent pending)**  
New technology for processing has made it possible to greatly improve lubrication efficiency inside the cylinder needle slots and reduce the amount of friction exerted on needles in motion. This new design reduces energy consumption by 5% or more compared to our conventional S-type cylinder.
- **Energy savings**  
When compared to the conventional S3.2RE model, electrical energy is reduced by a maximum of 20% thanks to the mechanical interaction between the aforementioned prim latch E-needles, new sliding parts and low friction cylinder.
- **Newly designed MCT-10**  
The standard MCT-10 take-up is an evolved version of the conventional mechanical MCT-7 take-up. The adjustment width of the quality pulley (QAP) has been increased by 60% compared to the MCT-7 to reduce troublesome work such as sprocket exchanges, et cetera.
- **FAFS (Fukuhara Air Flow System) cooling and cleaning device (optional)**  
The air chamber of the newly designed FAFS has been made more compact and is easier to handle than previously fitted air flow devices. Stable operation and longer intervals between machine overhauls can be expected thanks to the high cooling effect and lint removal capability of the FAFS.

\* 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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