

# M SERIES

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**“FUKUHARA”**  
Double Knit  
Quarter Gauge Machine  
with 4-colour Auto-striper

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## M-FY4QG

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\*The photo may include optional items.

# FUKUHARA

## □ M-FY4QG

The M-FY4QG is a machine which serves as a revolutionary quarter gauge model equipped with 4-colour auto stripers to further pursue the possibilities of quarter gauge fabrics. Numerous variations can be added to the face of the fabric by utilizing the 4-colour auto stripers developed for coarse gauge knitting while maintaining the ability to obtain the delicate touch of quarter gauge knits on the back of the fabric.

### STANDARD SPECIFICATION

- Diameter : 34"
- No. of feed : 36F  
[FY6 34": 48F 8F of FY6 have been turned into 6F of FY4QG]
- No. of end : 54
- Gauge : Cylinder/Dial 6G/24G 7G/28G 8G/32G
- 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. 580mm)
- Striper : "F-type" 4-colour for coarse gauge auto-striper (1 unit/cylinder Knit F)with electromagnetic actuators
- Cylinder cam : 2-race,3-position (K, T, W) exchange closed cams  
Raising cam & stitch cam separate type  
Stitch amount: plain jersey: 5mm  
tucking: 2.0mm
- Dial cam : 2-race 3-position (K, T, W) exchange closed cams  
Raising cam & stitch cam separate type  
Stitch amount: 24G-32G 1.8mm,
- Cam timing : Synchronized timing
- Yarn feeding device : YSJ2(for coarse gauge) 1 ring 2 tape 12 units  
MPFPF 1 ring 2 tape 30 units
- Yarn supplying Device : Provision for side creel without creel
- Yarn carrier : Individual block type Ceramic yarn carriers  
(Dial plain jersey, tucking feeder)  
Individual block type steel slit yarn carrier  
(Cylinder plain jersey)
- Size ring : CADRATEX fabric spreader
- Oiling device : Projectile LF lubricator
- Auxiliary equipment : Operation panel FCP-60

### OPTIONAL EXTRAS

- Large take-up on high legs (max. fabric roll dia. : 850mm or 1000mm)
- Dial 4-race specs
- MEMMINGER-IRO Pulsonic oiler
- Auto-oiler
- Lint fans
- Top stop-motions
- USB memory can be used to striper-data
- Cylinder/dial change tool
- FY4 conversion (4-colour coarse gauge striper units)
- FY6 conversion (6-colour striper units +modify feeding parts)

### SPECIAL FEATURES

- **Windproof**  
Sweater like garments knitted in coarse gauge have large loops and are not windproof. With the QG machine, however, back side loops which are 1/4 the size of the front size loops can be produced, thereby improving the wind resistance of sweater like garments.
- **See-through prevention:**  
See-through problems normally associated with summer sweaters for ladies wear, et cetera can be prevented with QG series by knitting a smaller loop into the back of the fabric.
- **Better comfort:**  
Sweater like garments made from wool often tickle or feel abrasive when directly touching the skin. With the QG machine yarn finer and more comfortable than wool can be knitted simultaneously into the back side of the fabric to solve the aforementioned problem.
- **Performance:**  
By changing the yarns used at the front and back sides of the fabric and connecting the yarns in various ways, the fabric performance including heat insulation, cooling as well as sweat-absorbing and quick-drying functionality can be highly diversified. Quarter gauge machines offer many possibilities for the various functionalities demanded of current apparel fabrics.
- **Front side surface effects:**  
Various yarns can be used on the front of the fabric by utilizing the stripers. This makes it possible for the quarter gauge machine to create not only fabrics with borders, but also give fabric surfaces an uneven appearance or see through effect.

### FABRIC POTENTIAL

[ST]: 6F repeat reversible (cylinder plain jersey)  
Cylinder side 4-colour striping

\* 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.

6-14, KITAHAMA-HIGASHI, CHUO-KU, OSAKA 540-0031, JAPAN  
TEL (06)6943-0681, 0682 & 0691~0698, FAX (06)6941-1683, 1703 & 6946-9182