

MRA 4

Motorised belt drive: Improved fabric quality with increased productivity of the circular knitting machine at the same time



The MRA 4 motorised belt drive – high-performance servo motors set new standards and replace the quality adjustment pulleys

The operating terminal controls the speed and therefore the adjustment of the yarn supply quantity for each drive belt, guaranteeing a constant yarn supply quantity and leading to a significantly improved fabric quality.

The elimination of the quality adjustment pulleys drastically reduces set-up times and considerably increases the efficiency of the circular knitting machine.

Thanks to the new high-performance servo motors, the number of necessary servo motors can be reduced depending on the machine design, which significantly decreases the return on investment.

MRA 4 can be fitted to circular knitting machines.

YOUR ADVANTAGES

- More powerful motors, which make the operation of a larger number of devices possible
- Precise adherence to mesh sizes, which is not achievable by conventional means
- Improved fabric quality due to a consistent, programmed yarn input quantity for all stitch rows
- Higher productivity at lower costs due to shorter set-up times and avoidance of potential sources of error with mechanical adjustment
- Drastically reduced set-up times: readjustments or changes in less than a minute. Previously 10 to 20 minutes for quality adjustment pulleys
- Fast recovery in case of fabric fall due to a reduction in the yarn supply quantity
- More flexibility: in the case of S and Z yarns, feeders are operated both clockwise and anticlockwise

The components of MRA 4

CONTROL UNIT

Contains the power supply for a maximum of 5 servo motors, as well as the electronics for controlling the servo motors and capacitor batteries.



SERVO MOTORS

Drive the drive belt of the positive feeders according to the programmed yarn supply quantity



OPERATING TERMINAL

Used to enter the yarn supply quantity for each drive belt, as well as the parameters required for the operation of the system



ENCODER

Transmits the information about the cylinder movement to the electronics in the form of pulses



TECHNICAL DATA

| | |
|----------------------------------------------------------------|------------------------|
| Supply voltage: | 230 V AC, single phase |
| Mains frequency: | 50/60 Hz |
| Output: | 750 W per servo motor |
| Length of connecting cable Control cabinet and servo motor: | 4 m |

ADVANCED KNITTING TECHNOLOGY

MEMMINGER-IRO GMBH
 Jakob-Mutz-Straße 7 | 72280 Dornstetten-Germany
 Tel. +49 7443 281-0 | info@memminger-iro.de
 www.memminger-iro.de

