



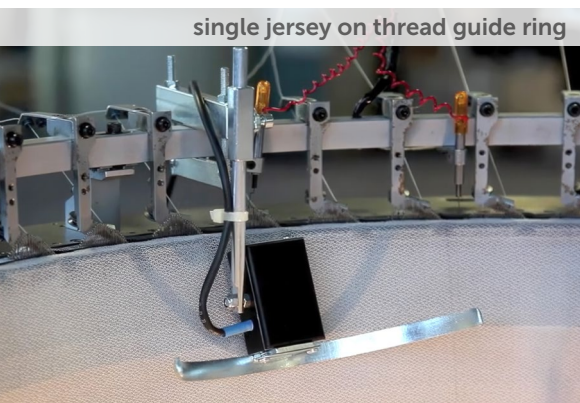
FM10

OPTICAL SYSTEM FOR REAL-TIME
FABRIC QUALITY CONTROL



FOR SINGLE JERSEY AND DOUBLE KNOT CIRCULAR KNITTING
CONTINUOUS PRODUCTION MONITORING, WITHOUT COMPROMISE

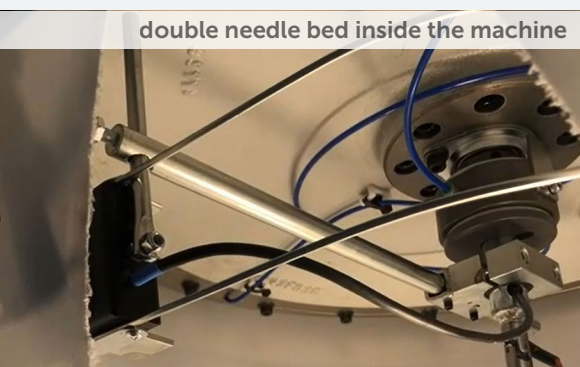
The **FM10 photocell** is designed for real-time detection of **textile defects** such as **dropped stitches, holes, imperfections, or needle breaks**. It is the ideal solution to improve production efficiency and ensure the quality of the finished fabric.



single jersey on thread guide ring



single jersey on outside post



double needle bed inside the machine

KIT COMPONENTS

- **Electronic control unit** with a simple and intuitive interface
- **Optical head**, available in two formats:
 - 40 x 60 mm (for wide detection areas)
 - 2 x 40 x 40 mm (for diameters larger than 34 inches)
- **Machine rotation sensor** included for control synchronization
- **Mounting kit** in three options:
 - On **yarn guide ring** (single jersey machines)
 - On **external pole** (single jersey machines)
 - **Inside the machine** (double knit)

FUNCTIONAL FEATURES

- Detection of dropped stitches, small and large holes, needle breaks, and imperfections
- Operation up to gauge gg36
- Integrated defect counter with event memory
- Selvage/cutting line "Jump" management
- Kit fully installable also independently (manual + video tutorial available)

TECHNICAL SPECIFICATIONS

- **Power supply:** 24 Vac / 24 Vdc
- **Output contact for machine stop:** configurable NO/NC
- **Operating temperature:** 0–50 °C
- **Modular installation** adaptable to various machine types
- **CE certification**

APPLICAZIONI

- Single jersey knitting
- Double knit knitting
- Circular machines up to gauge gg36
- Ideal for producing high-quality fabrics

WASTE REDUCTION

We have been on the market since the early 1990s with over 50,000 devices installed, preventing the production of tons of waste fabric.