



MNC 3

Needle Controller: Advanced technology cuts percentage of second-quality fabric

Broken and bent needle heads are unavoidable. The rapid detection of faulty needles is therefore of utmost importance. The MNC 3 Needle Controller system detects damaged needles rapidly, effectively and reliably. The controller can be used on single and double jersey knitting machines, on striper fabric, drop stitch pattern or Jacquard machines. The optical needle sensor detects broken and bent needle heads in lightning quick time and will stop the knitting machine immediately.

The MNC 3 system consists of the controller unit, a machine cycle sensor and up to two needle sensors. The controller has three operating modes for various applications. The system is programmed on the control unit. The status of the needle head is monitored by a fibre optic cable. The position of the bent or broken needle is displayed on the control unit.

Advantages

- The MNC 3 reduces second-quality fabric rates
- Also detects needle faults on fine gauge, Jacquard and elastane plated fabric
- Faulty needle position indicator saves time
- Small sensor, quick and easy to install even on machines with high feed rates
- Easy to use and program. Menu guided operation
- Keyboard lock to prevent unauthorised use

MNC 3: components

Needle controller

Used to enter all operating parameters. The position of the bent or broken needle is displayed on the control unit.



Stop function

Bent needle

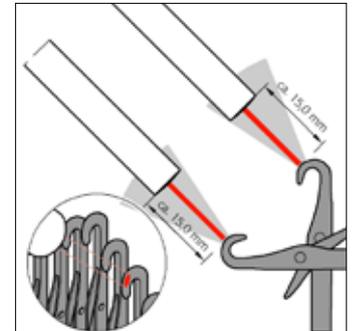


Broken needle



Needle sensor

The needle sensor emits and receives infrared light via a fibre optic cable and monitors needle condition in a knitting system.



Technical Data

Application range: Suitable for applications up to gauge E50 and speed factor 1500

Voltage range: 22 – 26 V AC / DC

Distance sensor L50 to the needle: 15 ± 1mm

Applications	
■ Circular knitting machines	Flat knitting machines
■ Sock machines	Warp knitting machines
■ Hosiery machines	Seamless machines

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