



LMW 3

Fabric Scanner: Full use of advanced electronics

Needle faults are expensive. The quicker they are detected, the more you save. The LMW 3 detects both needle line faults and holes. It will stop the machine when it detects one of these faults.

The LMW 3 consists of a controller and a scanner head. The scanner head lies on the fabric surface and uses the light reflection principle to detect faults. The light emitted by the scanner is reflected back by the fabric and the resulting signal received by the scanner is processed by the controller. The LMW 3 scanner head is self-cleaning and automatically adjusts to the surface of the fabric currently being scanned. The scanner head is available in various versions suitable for mounting on to different circular knitting machines producing various types of plain fabrics.

Advantages

- Cuts production stoppages and reduces second quality fabric
- Automatic adjustment saves time and money
- Distinguishes between needle faults and holes
- Detects holes on needle-out structures
- Much more precise than the human eye. Detects fine gauge fabric faults on high-speed machines and knitting machines
- Cutting lines are detected automatically and can be ignored if required

LMW 3: components



Controller

Used to enter the data required.



Scanner head

The scanner head rests lightly on the fabric surface. The scanner head uses the light reflection principle to detect faults. It has its own light source and projects a beam through a shutter at a set angle onto the fabric. The fabric reflects the light back to photocells on the scanner head.

Scanner head versions for different mountings:
Inside mounting, centre mounting and outside mounting.

Technical Data

Voltage range:	19 – 33 V AC 50/60 Hz
Run signal (machine is running):	10 – 30 V AC
Max. power:	10 VA
Mains fuse:	Mini-fuse 500 mA
Weight:	
Controller:	640 g
Scanner head 60:	215 g
Scanner head 90:	265 g

Applications	
<input checked="" type="checkbox"/> Circular knitting machines	Flat knitting machines
<input type="checkbox"/> Sock machines	Warp knitting machines
<input type="checkbox"/> Hosiery machines	Seamless machines

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