



Thread Break Detector
LASERSTOP 4180
for Tricot and Raschel Machines

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- Stops the machine immediately in case of thread breakage
- Light barriers using innovative laser technology
- Easy to operate

The laser light barrier system LASERSTOP 4180 sets a standard in reliability and safety in the thread break control of warp sheets on Tricot and Raschel machines by using the most up to date laser technology for the light barriers and an evaluation incorporating the most recent digital signal processing for the control unit.



HIGH OPERATIONAL RELIABILITY

- Computer-controlled signal processing
- Automatic system monitoring
- Visible, safe red light laser (laser class 1)

VARIOUS APPLICATION POSSIBILITIES

- Compact construction of the light barriers
- Monitoring at the warp yarn sheet, at the needle area (only at Raschel machines) and the weft insertion threads
- Automatic adjustment of the system to the machine speed
- Connection of up to eight light barriers

RELIABLE STOPPING OF THE MACHINE

- Thread detection from 12 dtex
- Constant sensitivity across the complete working width of the machine
- Vibration insensitive receivers by a special developed measuring principle



EASY OPERATION

- 4.3 inch colour display to indicate the operating state of the light barriers
- Setting the operating parameters is carried out directly at the control unit using a wear-resistant foil keyboard
- Easy to operate menu control in different user languages

BLOWER SYSTEM (OPTIONAL)

- High-pressure blower and plastic tubes with a row of holes to direct the air towards the warp sheet

TECHNICAL DATA

- Wide-range voltage input: 115V - 230V / 50Hz - 60Hz
- Stop contact: potential-free relay contact
- Several operating modes selectable (Standard / Duo / Synchro / Weft)



CARPET WEAVING MACHINES

VELVET WEAVING MACHINES

TUFTING SYSTEMS

ADVANCED KNITTING TECHNOLOGY

YARN EXTRUSION LINES

ADVANCED HEAT-SETTING SOLUTIONS

SHEDDING SYSTEMS

HARNESSES

WEFT INSERTION SYSTEMS

FINISHING MACHINES

YARN TRADING

QUALITY ASSURANCE FOR TEXTILES

PRODUCTION MANAGEMENT SOLUTIONS

MOTORS & DRIVES

HIGH PRECISION IRON FOUNDRY

BULK HANDLING

Since 1956 PROTECHNA has been producing, marketing and servicing opto-electronic thread control systems for the textile industry. Best quality lead to steady growth and resulted in our company being the market leader for monitoring textile machines. Today the company is operational worldwide and has at its disposal marketing and service partners in all of the textile producing countries.

By using the latest technologies our technical department develops innovative monitoring devices for practical use in the textile industry.

A close and long-term cooperation connects us with the leading textile machinery manufacturers. For the requests and suggestions of our customers we always have an open ear. Only in this way real innovations can be created, which are highly beneficial for our customers.

At the contentment of our customers we measure the quality of our work and the success of our company.



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