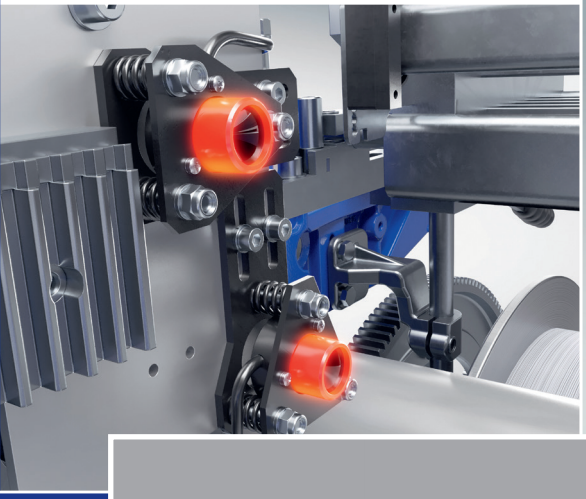
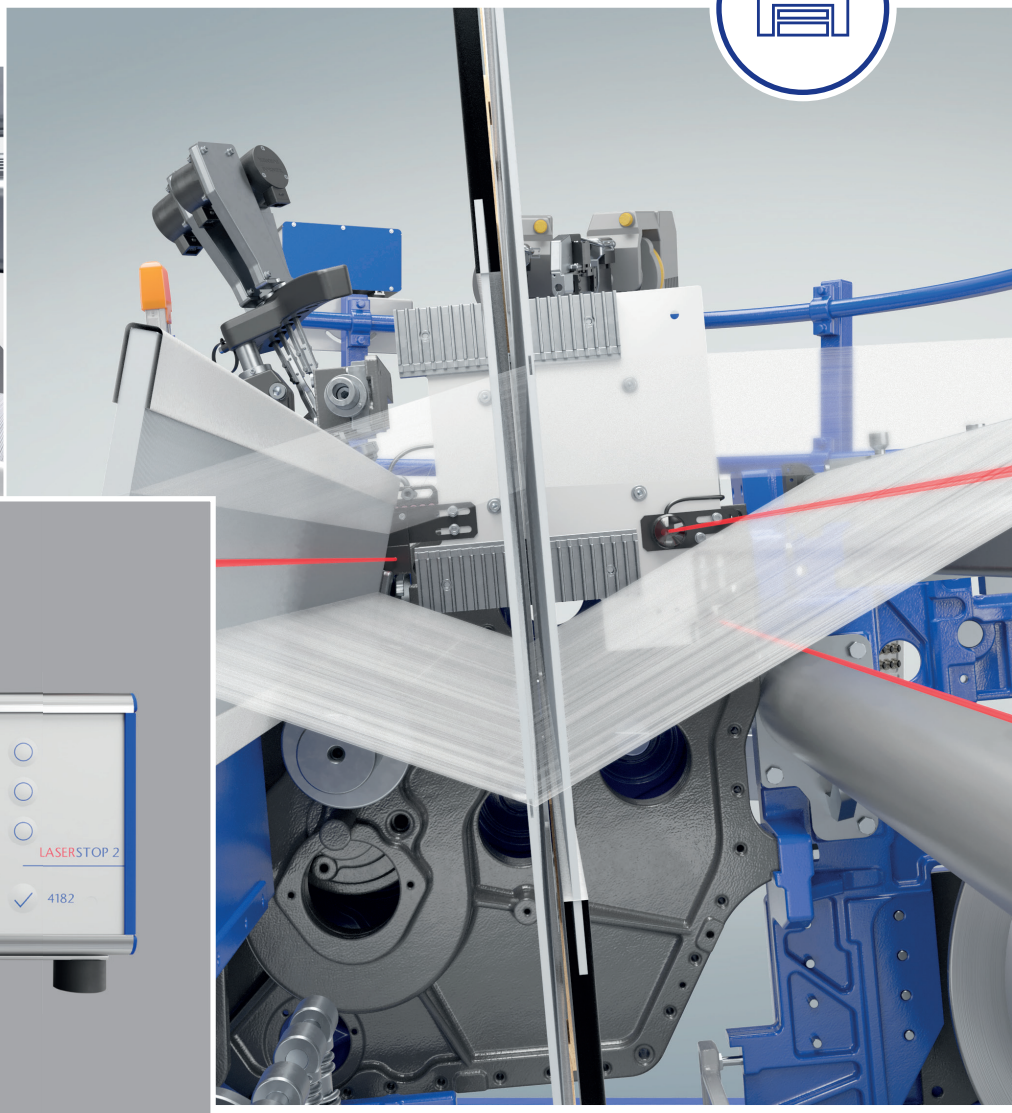
PROTECHNA

A VANDEWIELE COMPANY





LASERSTOP LOOM 2 4182

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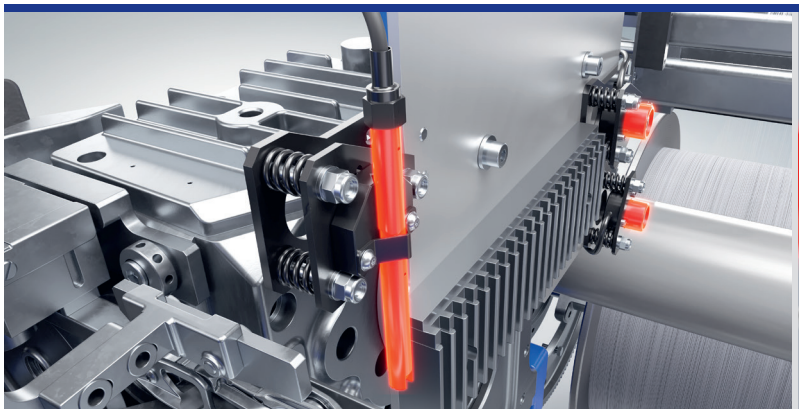
Thread Break Detector for Weaving Machines

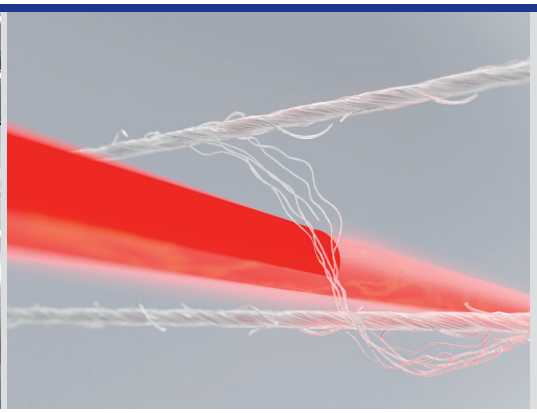
LASERSTOP LOOM 2 4182

Thread Break Detector for Weaving Machines

- Stops the machine immediately in case of thread breakage
- Light barriers using innovative laser technology
- Covers a wide range of applications, especially allowing a flawless production of technical fabrics

The laser light barrier system LASERSTOP LOOM 2 4182 sets a standard in reliability and safety in the field of thread break detection on Shuttle, Projectile, Rapier and Air-Jet, as well as on Wide Weaving and Narrow Fabric looms. The system is based on 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

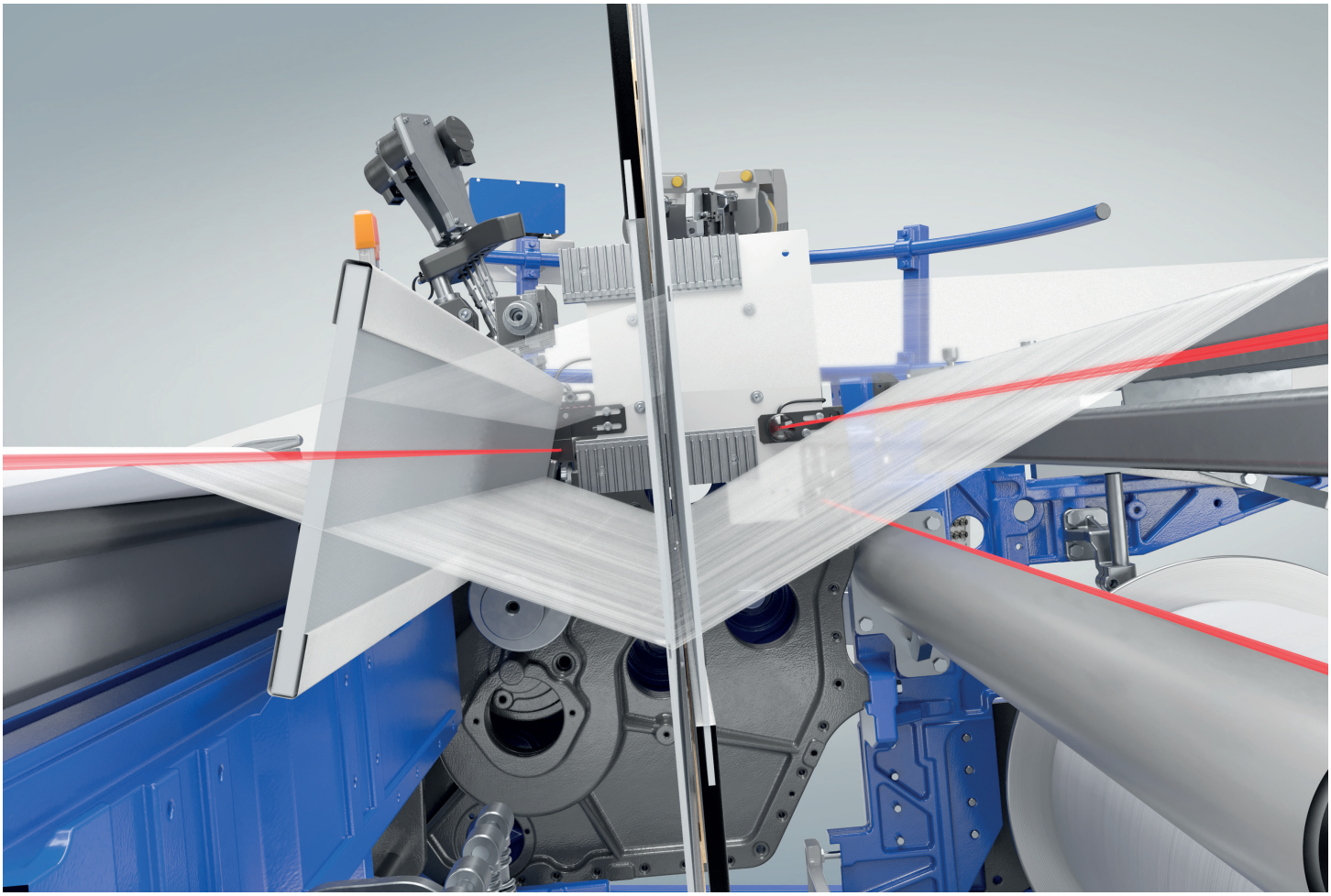
- Computer-controlled signal processing
- Automatic surveillance
- Visible, safe red light laser (laser class 1)
- Automatic adjustment of the system to the machine speed

VARIOUS APPLICATION POSSIBILITIES

- Covers a wide range of applications with mounting option in the front and in the rear shed, below the warp threads and, in case of Narrow Fabric looms, also above the woven tape
- Emitter and receiver in a flat shape for mounting in the front shed where space is limited (special version)
- Receiver with a bigger diameter for use on Wide Weaving looms or in case of strong machine vibrations (special version)

RELIABLE STOPPING OF THE MACHINE

- Thread detection from 12 dtex up
- Constant sensitivity across the complete working width of the machine
- Reliable and fast detection of thread breakages, clamping threads and thread nests even at high machine speeds, in case of Narrow Fabric looms also detection of protruding fibers and knots on the surface of the woven tape
- Optional Duo function to prevent false stops on machines that produce a lot of fluff



EASY OPERATION

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

VARIANTS AND SYNCHRONIZATION

- Control unit 4182 2 channels: For the connection of up to 2 light barriers
- Control unit 4182 3 channels: For the connection of up to 3 light barriers
- Impulse sensor for synchronization with shed movement

TECHNICAL DATA

- Low voltage connection:
  12 V - 36 V AC / 50 Hz - 60 Hz
  12 V - 48 V DC
- Stop contact:
  Potential-free relay contact

PROTECHNA

VANDEWIELE

www.vandewiele.com

www.artconcept-werbeagentur.de

Formed in 1956, PROTECHNA has been part of the Belgian VANDEWIELE Group since 2011. As a leading supplier of high-quality thread and fabric control systems for use in many textile manufacturing processes, we have continuously expanded our product range for the textile processing and textile machinery construction industries over the years. Together with a global network of more than 60 sales partners, we offer our customers a comprehensive portfolio of services and made-to-measure support.

Our Technical Department is responsible for the continuous improvement and enhancement of our high-tech products. Designing and developing individual solutions for the textile industry and working closely with leading textile machine producers creates a strong foundation for our innovative approach to business and the superior performance of our products.

Our quality assurance department uses in-depth controls to ensure that only first-class goods are shipped out to our customers. The resulting reliability and outstanding longevity of our products enjoy a well-earned reputation throughout our markets.

The quality of our work and the success of our company is measured by one all-important metric: customer satisfaction.

PROTECHNA
A VANDEWIELE COMPANY

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