

Yarn Break Sensors Yarn Tension Monitors



WARPING, WINDING & TUFTING

EYE – Eltex Yarn Expert

The EYE-system is designed for yarn break detection and statistics handling on textile machines. It is a flexible system that can be used on machines ranging from a few yarns to thousands. EYE can not only handle yarn break sensors but it is also prepared for yarn tension, temperature and humidity sensors. The event logging function makes it possible to view the process statistics and pinpoint the weak points in the process. The parameters are set on the operator terminal. System status and statistics are displayed on the operator terminal.

- Flexible modular system
- Statistics logged in real time
- Simple installation
- Service friendly
- Self diagnostic
- Modern, proven bus system
- Networkable
- Faulty yarn is specifically identified, resulting in more up-time
- An optional large information screen can be connected



Operator Terminal



Master control unit



EYE Analyzer

Custom designed sensors for Original Equipment Manufacturers

The core activity of Eltex of Sweden is to develop yarn break sensors and tension monitors in cooperation with our OEM-customers.

A close cooperation between us and the machine makers is essential for our business. This is what has given us the market leading position we have today.

We combine our knowledge of yarn break detection and tension monitoring with the machine makers know-how. This ensures our sensors have the highest performance and quality.

EYE for Warping and Winding



Yarn Break Sensors



EYE for Tufting

EYE for tufting uses the Compact yarn sensors. The sensors are normally fitted between the feed rollers and the needles. 100% of missing yarns in the carpet are detected. The sensors use the well proven piezoelectric principle. The special compact design enables the sensors to be fitted on machines with a gauge as dense as 1/10th of an inch.



Yarn Break / End-Out Sensor



WEAVING

Eltex of Sweden is the leading manufacturer of weft break sensors for the weaving industry and has been for more than 50 years. Our extensive experience and know-how has been used to perfect the function and reliability of our sensors.

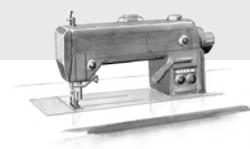
Rapier

Eltex piezoelectric weft break sensors are optimised for best performance and are designed to fit the requirement of each individual machine type. They sense the weft yarn over the entire fabric width detecting all type of weft faults, which will result in high quality fabric. By using CAN Bus the sensor has the possibility to communicate with the weaving machine to further improve the performance.



Air Jet

The Eltex optical weft break sensor is designed to detect the weft insertion arrival on Air Jet weaving machines. This sensor is of the reflecting type. Mounted in front of the reed, the sensor is moveable to coincide with any fabric width without cutting the reed.



SEWING



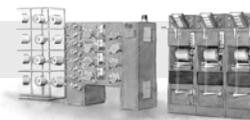
Thread Break Sensors

Eltex thread break sensors are essential for quality seams on all types of sewing machines. Eltex sensors detect the movement of the sewing thread and immediately stop the machine when a thread break occurs. The sensors are insensitive to dust and dirt and can be used with all thread counts and thread types.



ETM – Eltex Tension Monitor

The Eltex Tension Monitor for sewing machines monitors the thread tension and also serves as a thread break detector. The ETM enables the operator to maintain thread tension within the desired range, which results in maximum efficiency and highest seam quality.



OTHER APPLICATIONS

Eltex Yarn and Thread Break Sensors can be used on virtually any kind of textile machine. They are a reliable and durable solution for detecting breaks. Our complete line of sensors are simple-to-use, robust, and insensitive to dust and dirt. They can be used with all types of yarn and yarn counts. Depending on the type of sensor, it can be connected directly to a PLC, Eltex Central Control Unit or to other control equipment.



Opened, closed and quickthread sensors



UPG Sensor

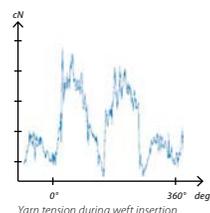


G3 Sensor

Tension monitor

ETM Solo

The Eltex Tension Monitor, ETM Solo, is designed for continuous monitoring of yarn tension on textile machines. Fast sensor response enables monitoring of rapid changes in yarn tension. This allows it to be used, for example, as a sensor for automatic control of yarn brakes. It can be used on weaving, warping, winding and many other machines. Some models are also equipped with yarn motion detection, thereby eliminating the need of an additional weft sensor.



Yarn tension during weft insertion



ETM Tension Monitor

Other Eltex products



ENERGY CONTROLS

Load limiting equipment for small and large electrical installations. Controls for electrical heating and boilers.

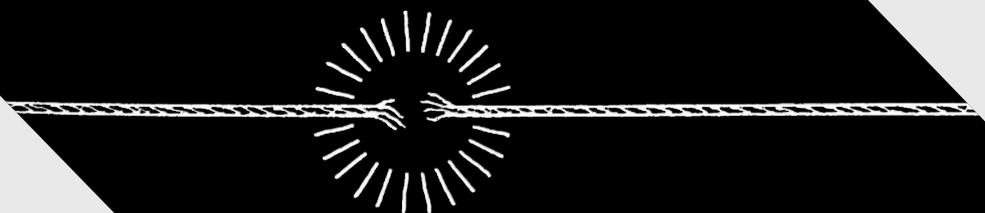


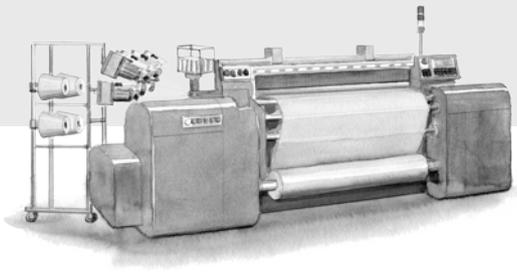
MEASURING SYSTEMS

Measuring systems for food safety handling. Dataloggers for temperature, humidity and other measured values.



Yarn Break Sensors
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Tension monitor

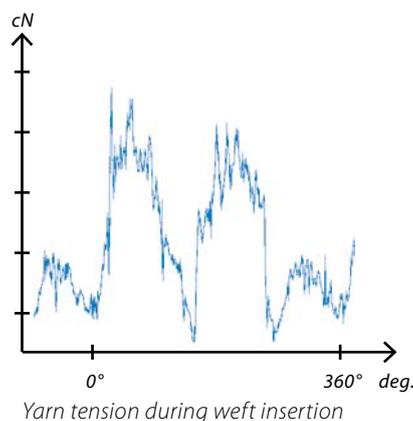
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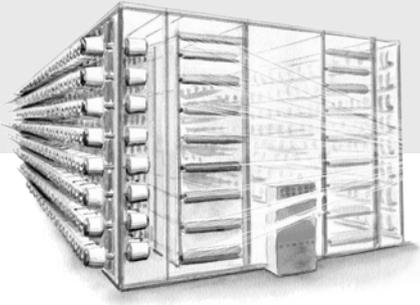
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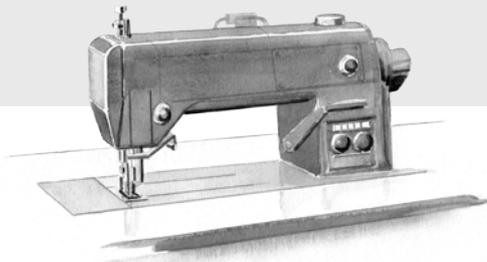
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Yarn Break / End-Out Sensor



SEWING



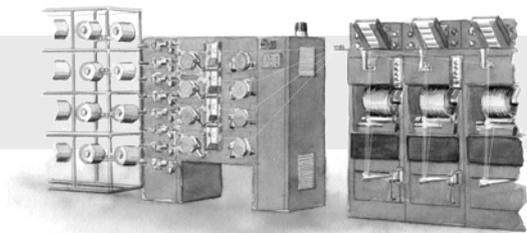
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Opened, closed and quickthread sensors



UPG Sensor



G3s Sensor

Eltex of Sweden AB

Is an innovative company developing, manufacturing and marketing high-technology electronic equipment.
The company was founded in 1964 and has affiliated companies in many countries.

Other Eltex products



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MEASURING SYSTEMS

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