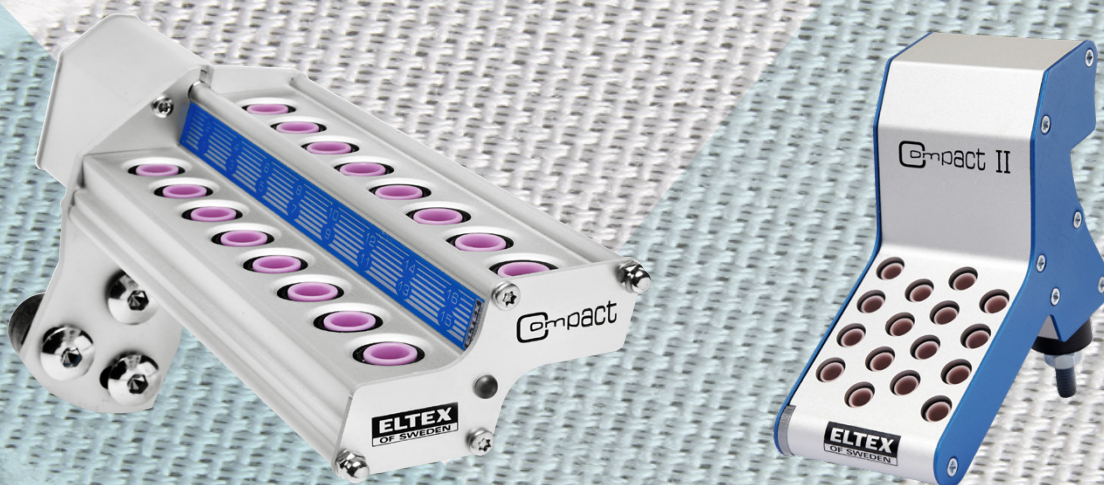




# Eltex Yarn Expert

Yarn fault detection for tufting machines

INFO LEAFLET



## Yarn fault detection for tufting machines

**The Eltex EYE is a flexible system designed for yarn fault detection on tufting machines. It is designed to improve quality and efficiency by reducing mending and down time.**

EYE for tufting uses the Compact yarn sensors. The sensors are normally fitted between the feed rollers and the needles. 100% of Tufting Yarn Breaks / End Outs 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 per side.

On machines with limited space, due to puller rollers above the needles, the Compact II sensor is recommended.

## 100% of Tufting Yarn Breaks / End Outs detected

**ELTEX**  
OF SWEDEN







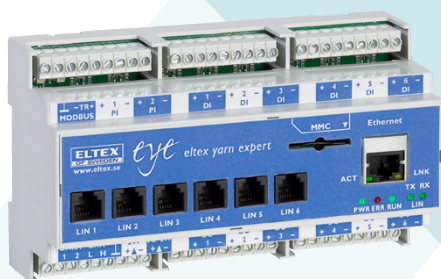
Compact sensors installed on a tufting machine.



Compact II sensors installed on a tufting machine.

## Advantages

- 100% of Tufting Yarn Breaks / End Outs detected
- Faulty yarn is specifically identified, resulting in more up-time
- All events are logged in real time and can be used for statistics and diagnostics
- Networkable to a central database
- Automatic addressing of all the system parts
- Easy to change system configuration
- Fast learning of positions in use (no ON/OFF switches on the sensors)
- Simple cables with modular connectors
- Robust sensors in metal housings
- Sensor parameters can be set for different groups of yarns
- Ethernet, CAN Bus, or Modbus (available for OEM interface)
- Information can be displayed on a large screen



## Master control unit

The master control unit communicates with the sensors and the operator terminal. It processes all the data and gives stop and lamp indication signals when a yarn fault occurs.



## Operator Terminal

The touch screen operator terminal has a very user-friendly interface. The number of yarns in operation and position of yarn fault are clearly displayed.



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