



Eltex Yarn Expert

Yarn fault detection for tufting machines



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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 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.

100% of Tufting Yarn Breaks / End Outs detected

ELTEX
OF SWEDEN





Compact 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)
- Easy mounting of sensors



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.



Box 24, SE-283 21 OSBY, Sweden | Tel: +46 479 536300 | Fax: +46 479 536399 | Email: info@eltex.se | www.eltex.se

Eltex U.S., Inc.
13031 E. Wade Hampton Blvd.,
GREER, South Carolina, 29651, USA
Tel: +1 864-879-2131
Fax: +1 864-879-3734
Email: sales@eltexus.com

Eltex Manufacturing Ltd.
Railway Road,
TEMPLEMORE, Co. Tipperary, Ireland
Tel: +353 504-314 33
Fax: +353 504-310 02
Email: info@eltex.ie

POLSA-ELTEX, S.L.
Zamora, 103 – entlo 3o,
ES-08018 BARCELONA, Spain
Tel: +34 93 309 00 17
Fax: +34 93 309 59 45
Email: polsa@infonegocio.com

Eltex China, Beijing Tianyuri Electronic Technology Co., Ltd.
Floor 8, YouTown Centre Block A, Sanfeng Beili No.1,
Chaoyang, Beijing, China 100020
Tel: +86 (10) 65800142
Fax: +86 (10) 65066468
Email: chuan.jiang@eltex.cn Web: www.eltex.cn