



Loepfe

YarnMaster®

EOS⁺ ROTOR YARN CLEARING WITH A PLUS



- Reliable
- Stable
- Efficient



YarnMaster® EOS+

The trusted choice for rotor yarn clearing

The EOS+ rotor yarn clearer redefines reliable fault detection. Designed to fit the broadest range of rotor spinning machines on the market, it ensures exceptional accuracy at all machine speeds – without compromising efficiency. With the advanced optical technology of EOS+, rotor yarn spinners gain fast and precise fault detection, bringing a true “plus” to the quality of their rotor yarn.

EOS+ saves time and money

- Cuts installation time by up to 3 hours
- Reduces labor costs by up to 25% per machine

The EOS+ yarn clearing solution simplifies installation with its plug-and-play cable connections, supporting both point-to-point and loop-through configurations. This user-friendly design eliminates the need for specialized technicians, helping to save up to 25% on labor costs.

Thanks to the innovative auto-addressing feature, on-site mounting is faster and more reliable – reducing installation time by 60 minutes compared to manual addressing, and by as much as 120 minutes versus non-standard ethernet cable installations. Plus, the EOS+ eliminates the need for cable stripping, wire termination, and screw connections, making the entire process quicker and hassle-free.

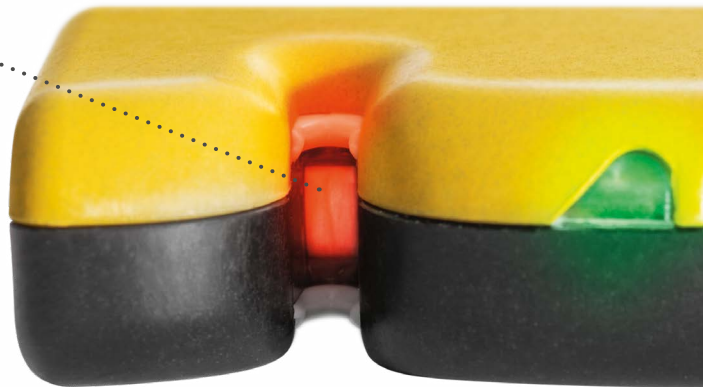
YarnMaster® EOS+ offers:

- Reliable quality control for the wide range of Ne 3 to Ne 100
- Consistent yarn quality under all production conditions, such as temperature and humidity fluctuations, and regardless of the material being processed
- 100% online quality assurance without complex laboratory measurements
- Maximum machine efficiency
- Intuitive user interface for advanced yarn clearer functions

YarnMaster® EOS+ main features:

- Fault classification with detection of spinning process related faults (NSLT)
- Detection of yarn faults such as piecing, yarn count, CV% deviations, sliver faults and imperfections
- Fast and reliable detection of periodic faults to prevent moiré effects in the fabric
- Reliable detection of nep cluster faults

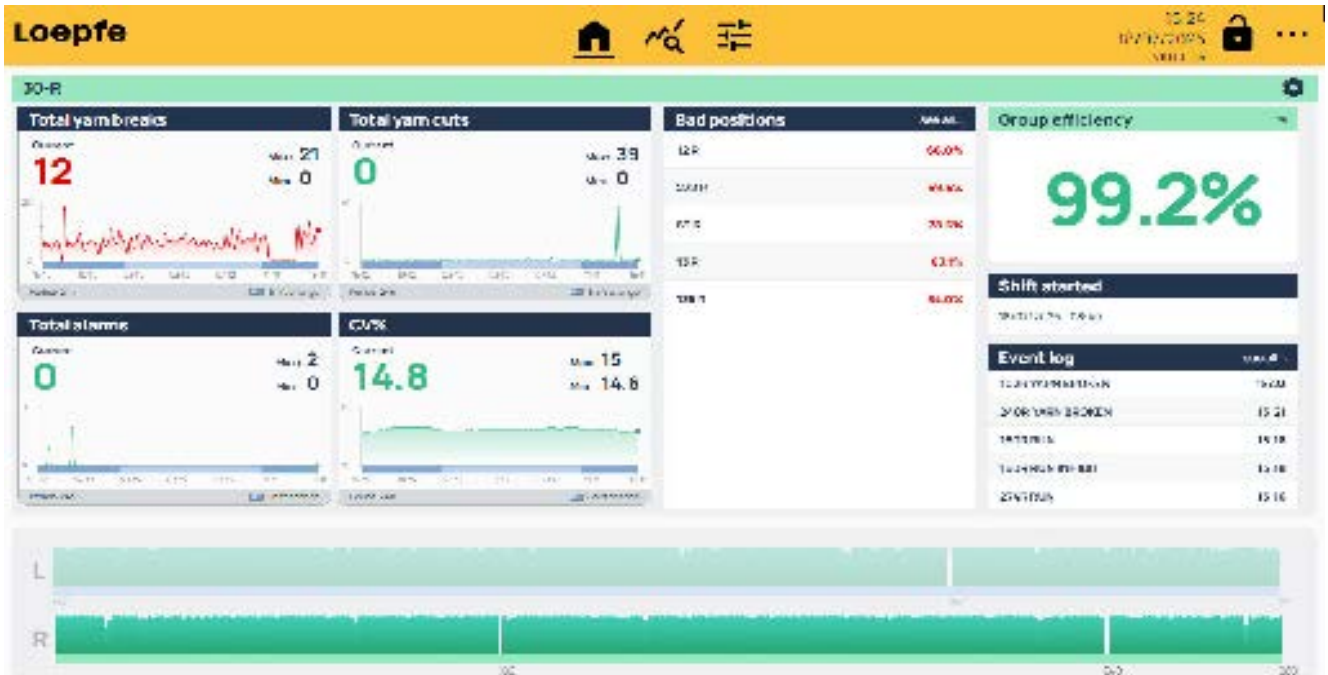
Optical D sensor
NSLT fault



Introducing the new user interface – simple and efficient

The EOS+ features an intuitive and user-friendly interface designed to make operation easier than ever. New operators will get to grips with it quicker, requiring less training compared to competing systems. The streamlined design shows only the essential information, for easy navigating and changes in a few clicks. Thanks to this simplicity, entering new articles takes 50% less time.

On a single screen, production managers can instantly see how each position is performing compared to the overall average. This quick overview helps operators identify and address any underperforming positions right away, speeding up problem-solving and keeping production running smoothly.



Dashboard overview



Comparison of one spinning position with the whole machine



Loepfe

Functionalities

YarnMaster® EOS+

Application range

- One sensing head covers it all
- For all rotor yarns (Cotton, natural fibers, synthetic, blend, mélange and fancy yarn)
- Yarn count: Ne 3 – 100, Nm 5 – 160
- For manual or automatic piecing
- Spinning speed up to 400m/min

EOS+

QUALITY DATA

Monitoring overview

- Overview of current status and efficiency of all positions
- Zoom view of production group and selectable positions
- Efficiency trend
- Hitlist of bad performing positions
- Latest 5 events
- Hitlist table and graph

Yarn clearing

- Class clearing: NSLT
- Splice class clearing: NSLT
- Moiré

Classification

- Yarn faults: NSLT
- Splice faults: NSLT
- IPI: Neps, Thin, Thick
- Comparison of one position to all positions in the article

Reports

- Shift reports
- Shift calendar
- Event log
- Cuts and Alarms summary

Service

- Remote access optional
- Import/export data on USB
- Sensing head software update
- System snapshot

Connect with the
Loepfe world



loepfe.com



LinkedIn/Loepfe

Loepfe is part of the Vandewiele Group. Providing cutting-edge technology and effective solutions for the textile industry. Spinning mills around the world rely on our innovation at the highest level. Quality made in Switzerland.

Loepfe Brothers Ltd.
8623 Wetzikon
Switzerland
www.loepfe.com

Disclaimer: The YarnMaster® EOS+ helps to improve yarn quality, the ultimate responsibility for the spinning quality lies with the spinner.
Subject to technical modifications. YarnMaster and MillMaster are registered trademarks of Loepfe Brothers Ltd.