



Loepfe

YarnMaster®

# EOS & 3N1

# PRECISE AND RELIABLE ROTOR YARN CLEARERS



More information about EOS



More information about 3N1

## YarnMaster® EOS

### The trusted choice for rotor yarn clearing

The YarnMaster® EOS provides the most reliable yarn clearing results in the rotor spinning process and can be mounted on the widest variety of machines in the market. YarnMaster® EOS features an optical sensor that offers unrivaled stability and enables accurate yarn clearing with a low cut rate, tailored to the desired yarn quality.

The optoelectronic technology brings yarn inspection and quality assessment closest to that of the human eye. The YarnMaster® EOS fulfills the combined requirements for consistent yarn quality and maximum machine efficiency.

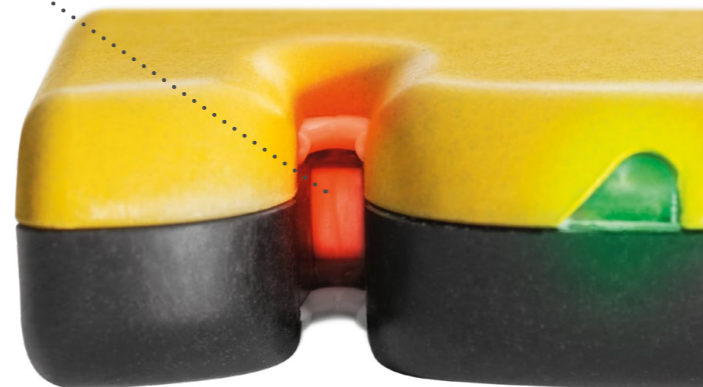
#### YarnMaster EOS offers:

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

#### YarnMaster® EOS features:

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

**Optical D sensor**  
NSLT fault



## YarnMaster® 3N1

### Get the most out of rotor yarn

The YarnMaster® 3N1 is the most sophisticated and high-performance device for rotor yarn clearing, that combines three key functions into one unit: basic yarn clearing, foreign matter detection, and secure detection of synthetic foreign matter like white and transparent polypropylene.

The YarnMaster® 3N1 uses a combination of optical and electronic sensors to detect and remove any impurities in the yarn. In addition to the basic functions as mentioned at EOS, 3N1 offers two more important advantages for those spinners who have very high demands on their rotor yarn.

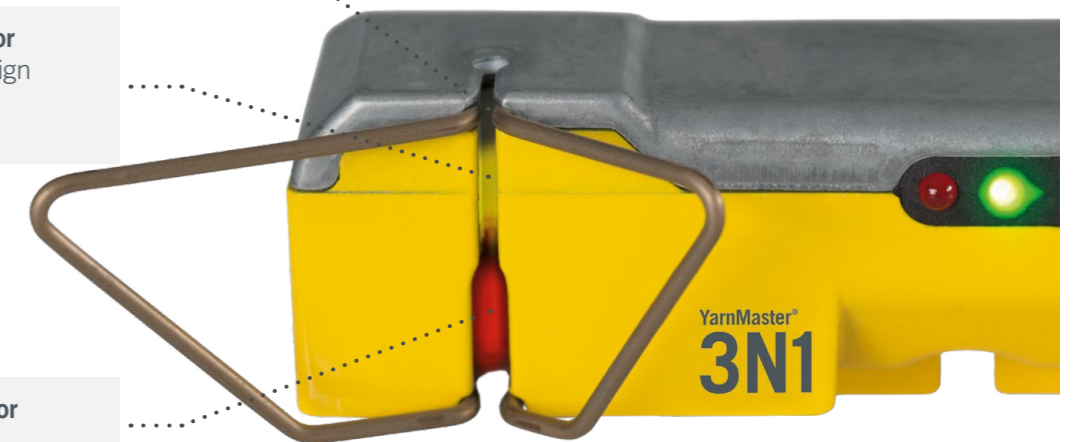
- The foreign matter sensor detects any foreign materials in the yarn, such as pieces of metal, plastic, or other contaminants, and automatically stops the production process. This prevents damage to the machinery and ensures that the final product is free of defects.
- The triboelectric sensor can clear and classify synthetic foreign matter, including white and transparent PP (polypropylene) and PE (polyethylene) foils, as well as PES (polyester).

3N1 can be easily integrated into existing textile machinery. It provides real-time monitoring and control of the yarn production process, ensuring that the final product, is free from defects and meets the highest standards of quality and consistency.

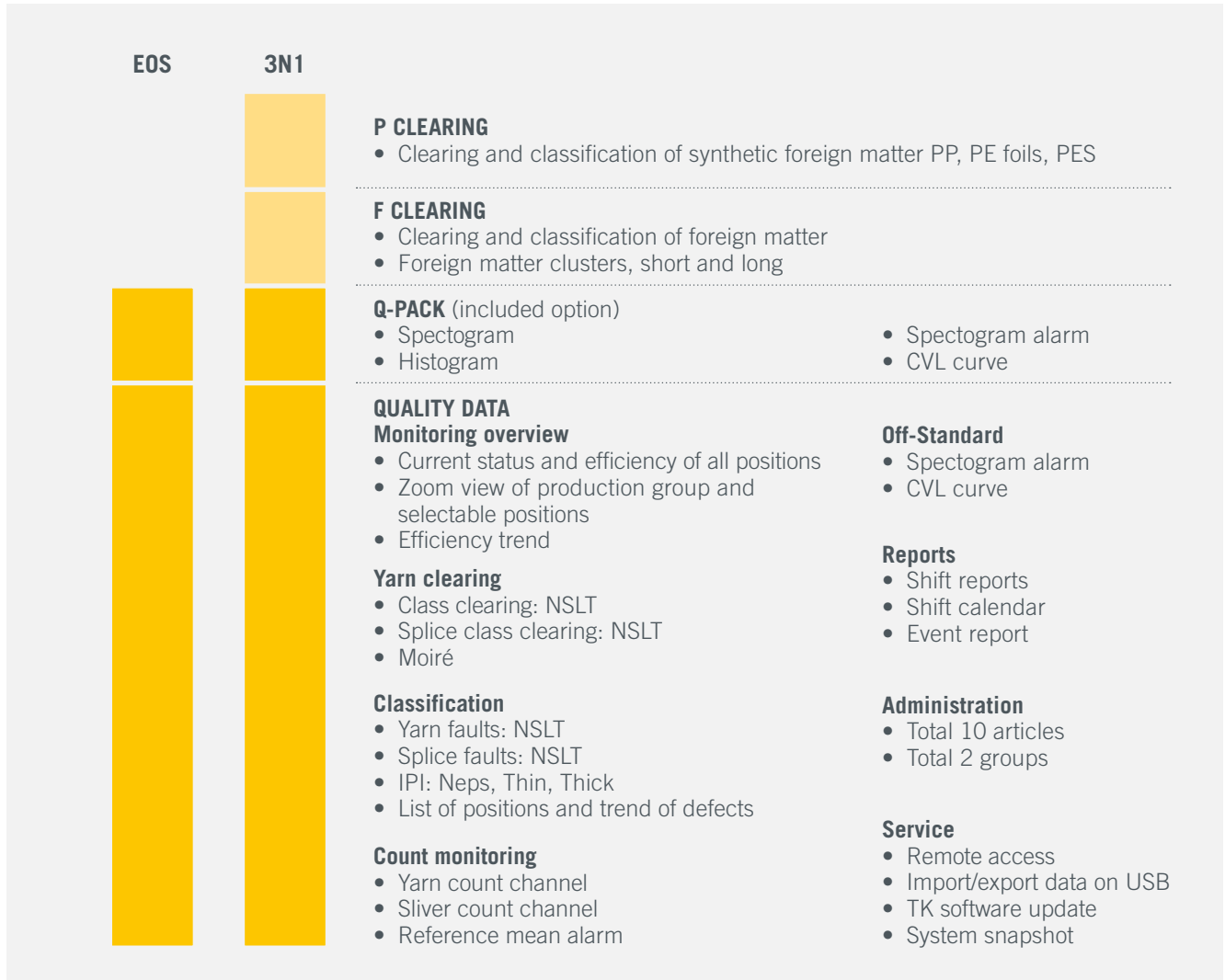
**Triboelectric P sensor**  
for white and transparent synthetic fibers

**Optical F sensor**  
for colored foreign matter

**Optical D sensor**  
NSLT fault



# Functional Range



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

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