Revolutionizing Yarn Quality Control: The Power of PRISMA Simultaneous Dual Measurement

PRISMA's simultaneous dual measurement is a game-changer in yarn quality control, offering spinning mills the most effective way to detect basic faults. By combining optical infrared and mass sensors in harmony, PRISMA delivers unparalleled accuracy, reducing waste, splice cycles, and energy consumption to provide the best yarn quality possible.

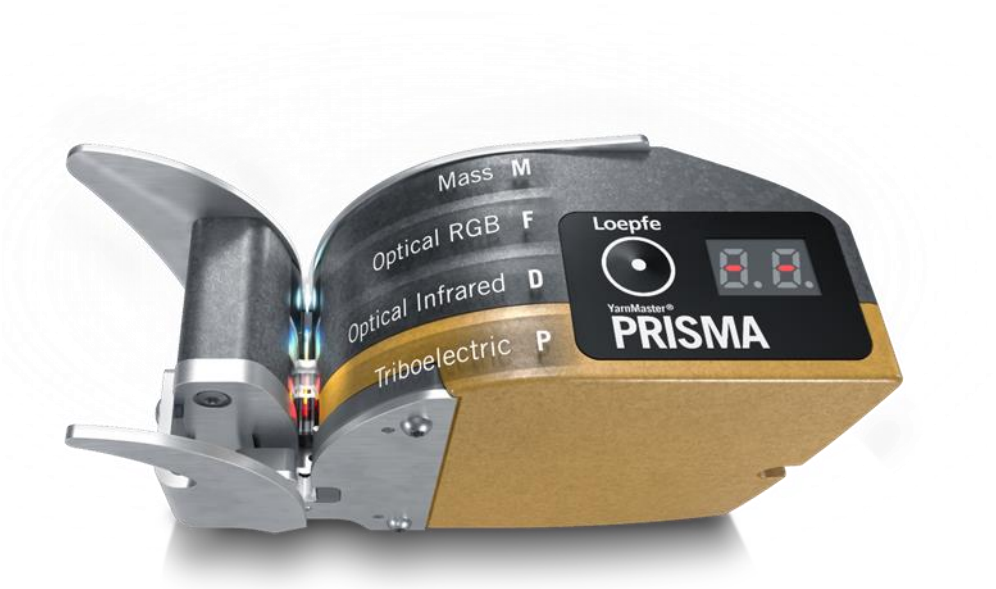
Unlike single-sensor systems, PRISMA's innovative technology takes into account crucial factors such as raw material, fault type, fault length, and even hairiness, ensuring precise fault detection and classification by length and intensity. This results in consistently high profitability for spinning mills that rely on PRISMA.

Why Invest in Dual Measurement Technology?

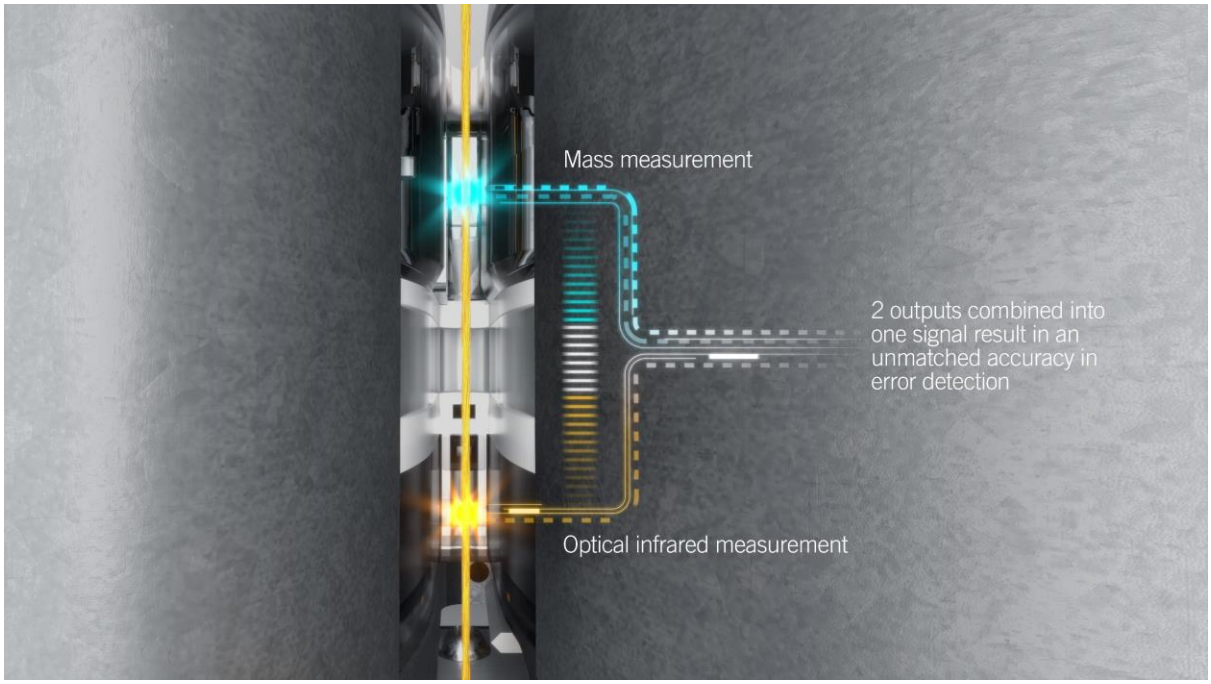
Comprehensive quality control is essential in the spinning industry, and relying solely on a yarn clearing system with a single sensor may still lead to defects and potential complaints. Investing in dual measurement technology, like PRISMA, guarantees comprehensive fault detection and minimizes the risk of quality-related issues.

The PRISMA Difference

Loepfe's PRISMA, launched in 2019, was the first to introduce dual measurement technology to the market. Combining two powerful sensor technologies with unique software for simultaneous signal processing, PRISMA remains unmatched in today's market.



YarnMaster® PRISMA clever yarn clearing



YarnMaster® PRISMA simultaneous dual measurement

The Benefits of Clever Software

PRISMA's clever software ensures yarn excellence and straightforward handling. By fusing the outputs of both sensors into a single signal, the clearing system can identify every type of defect accurately, regardless of volume, mass, or size. This ensures that no fault goes undetected, providing spinners with peace of mind.

Comprehensive Data Insights

With PRISMA, operators can easily track the length and combined intensity of each defect in the cut history for every spindle. This eliminates the need for separate reporting, as all issues are measured through a comprehensive system. Decisions based on accurate data become easier, leading to better yarn properties and overall productivity.

User-Friendly Functionality

PRISMA's simultaneous dual measurement technology is exceptionally user-friendly. Operators don't need to worry about configuring or combining the sensors or determining which sensor takes precedence in evaluating faults. The smart functionality of the PRISMA clearer system guarantees an optimal setup at all times.

In conclusion, PRISMA's simultaneous dual measurement technology revolutionizes yarn quality control in spinning mills. Its unmatched accuracy, combined with comprehensive data insights and user-friendly functionality, makes PRISMA the ultimate choice for achieving yarn excellence and maximizing profitability.