



Loepfe



LABORATORY SOLUTIONS

LabMaster YARNMAP

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5-IN-ONE YARN TESTING

+ YOUR ADDED VALUE

The revolutionary test instruments from Loepfe follow a new ground-breaking philosophy. With the integration of different testing devices in one system, the LabMaster series make laboratory measurements more efficient in terms of time, resources and results.

LabMaster YARNMAP is designed to increase yarn testing efficiency tremendously in regard to time, space, maintenance and operator attendance. All kind of short- and long-staple yarns are tested fully automatically while preparation products of the spinning mill can be tested simultaneously on a second capacitive sensor.

LabMaster TOP serves as the data system connecting YARNMAP to the decision makers desks. All test results are synchronized regularly to make them available for further evaluations by value-added reports which are clear and understandable. LabMaster TOP reports focus on data analysis which is required to deliver consistent quality in the spinning mill.

+ MEETS YOUR NEEDS

- Tests all yarn parameters such as: count, evenness, imperfections, hairiness, periodic faults, strength and elongation
- Reduction of yarn testing time by 20 % due to integration of 4 sensors and synchronized measurement sequences
- Simultaneous measurement of sliver and roving due to additional capacitive sensor
- Cutting laboratory space, maintenance, service and operator staff by half
- Two times higher capacity utilization of the instrument due to additional capacitive sensor
- Complete elimination of operator attendance during yarn measurement
- Single-selection or combination of all 4 yarn test modules
- One-time preparation and identification of a yarn sample for all measurements



Spinning and preparation process

+ MEASURING PRINCIPLES

Count

- Cut & weigh: Winding of a specified yarn length on an integrated balance
- Automatic determination of count

Evenness and Hairiness Yarn

- Capacitive sensor for mass evenness, Ne 3 – 590
- 400m/min standard measuring speed
- Optical determination of the Hairiness Index
- Um, CVm, CVcut length
- Imperfections (IPI): thins, thicks, neps
- Diagram, spectrogram, length-variation curves

Tensile

- Single-end strength according to CRE
- Testing procedure according to international standards
- Manual testing of splices and seized yarn

Evenness Sliver & Roving (option)

- Capacitive sensor for mass evenness, sliver up to 84 ktex
- Determination of sliver and roving count
- Um, CVm, CVcut length

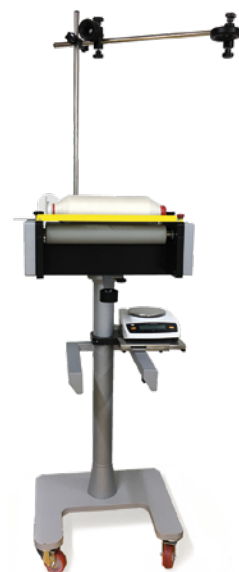
General

- Intelligent, fully automatic sample handling
- Suitable for all short- and long-staple, non-conductive yarns
- 7 pre-defined standard reports
- Sensor for ambient conditions

+ EQUIPMENT



LOEPFE YARN PACKAGE CARRIER
Sample preparation
for up to 24 positions



LOEPFE AUTOFEEDER (option)
Tension-free delivery
of sliver and roving

+ LabMaster TOP

The Management Cockpit

- Tool for laboratory, quality and spinning mill management
- Part of standard delivery of YARNMAP
- Automatic synchronization
- Same operation philosophy as YARNMAP
- Back-up system for test results and instrument log-files
- Value-added reporting to support decision making
 - Sample reports
 - Trend analysis
 - Comparison reports
 - Process analysis
 - Lot reports
 - Article reports
 - Daily summary reports
- Customer specific sample identification for:
 - Machines
 - Lots
 - Articles
 - Material
 - Customers
 - Operators
 - Certifications

+ SERVICES AND CUSTOMER SUPPORT

- Qualified operation and individual application training
- Customized training of quality management
- Support for data analysis and interpretation
- Testing services in Loepfe testing facilities for fiber and yarn
- Pre-sales support regarding applications and yarn types
- On-site and remote after-sales support for smooth operation and increase of product life time
- Consulting service for laboratory processes and management



Trend report



Loepfe is part of the SavioGroup and the world's leading manufacturer of electronic control systems for the textile industry. Machine manufacturers as well as spinning and weaving mills around the world rely on our innovation at the highest level. Built to be on top.

SPINNING SOLUTIONS
BUILT TO SEE MORE

WEAVING SOLUTIONS
BUILT TO CONTROL

LABORATORY SOLUTIONS
BUILT TO MAP



Connect with the Loepfe world



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Subject to technical modifications

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