

USTER® SLIVERGUARD

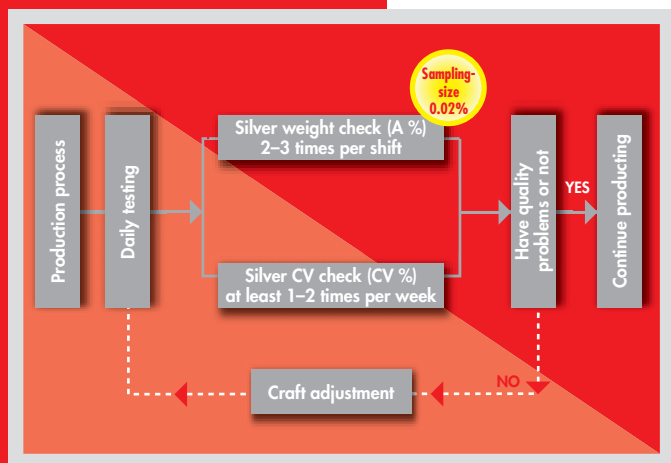
**ONLINE SLIVER
QUALITY MONITORING
CONTROL SYSTEM**

APPLICATION FOR DRAWFRAME, CARD, COMBER



USTER®
Think quality

CONVENTIONAL SLIVER CHECK



CONVENTIONAL SLIVER QUALITY MONITORING WITHOUT USTER® SLIVERGUARD AND SILVER MONITORING

The conventional OFFLINE quality monitoring of the sliver by check the count and the unevenness values and by visual check of the spectrogram only 2 to 3 times per shift creates following problems and insecurities:

- Only a very short sliver production is supervised (less than 0.02%).
- The moment of a wrong sliver quality produced by a default on the machine is not known.
- Thick places in the sliver can not be captured.
- In case of autolevelling drawframes, the performances are not perpetually supervised.

USTER® 100% ONLINE MONITORING

100% QUALITY MONITORING OF THE SLIVER PRODUCTION HELPS YOU

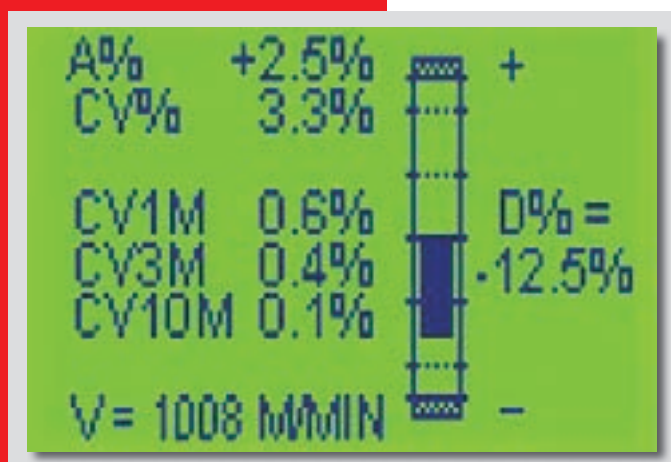
- to optimize the spinning process
- to increase the yarn quality
- to increase the productivity
- therefore, to reduce the costs

STANDALONE SLIVER QUALITY MONITORING BY USTER® SLIVERGUARD

The full automatic ONLINE quality monitoring of the sliver by the 100% supervision of the count deviation and the evenness values with a high powerful thick places detection assure a high sliver quality respectively yarn quality.

SINGLE MACHINE MONI- TORING APPLICATION

USTER® SLIVERGUARD CAN BE INTRODUCED ON DRAWFRAME, CARD AND COMBER MACHINE AS A RETROFIT SOLUTION



SLIVER COUNT/WEIGHT DEVIATION A%

- Indication of the actual and the 100m sliver count deviation.
- Supervision of the sliver count deviation according to a pre-set sliver length.
- Immediately machine Stop with Alarm indication in case of a sliver count/weight exceeding a pre-set deviation limit.

The supervision of the sliver count deviation assures that the machine is producing 100% the right sliver count.

SLIVER EVENNESS CV%

- Indication of the 100 m sliver evenness.
- Supervision of the sliver evenness according to a pre-set sliver length.
- Immediately machine Stop with Alarm indication in case of a sliver evenness exceeding a pre-set evenness limit.

The supervision of the sliver evenness assures that the machine is producing 100% the right sliver evenness.

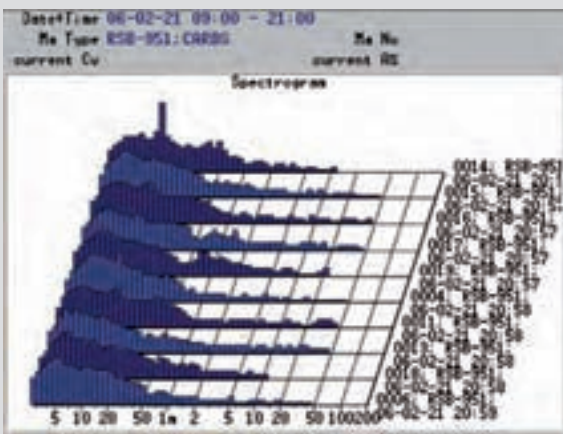


THICK PLACES TP

- Indication of the number of thick places during production according to a pre-set amplitude limit.
- Immediately machine Stop with Alarm indication in case of a thickplace in the sliver exceeding a pre-set amplitude limit.

The supervision of the thick places prevents unnecessary stops in winding and OE spinning and eliminates problems with short count variation in yarns.

SLIVER EXPERT SYSTEM APPLICATION

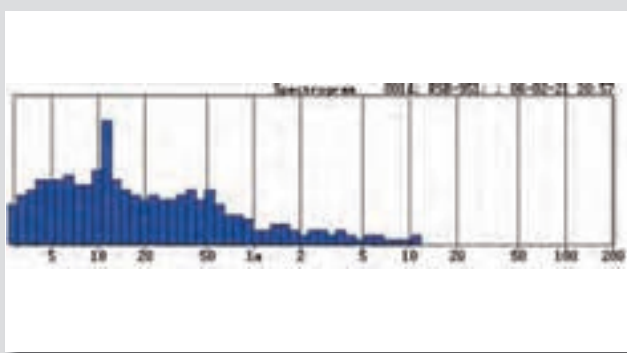


CENTRALIZED CONTROL OF THE SPINNING PREPARATION

- Key quality and production information is provided at the manager's desk.
- All data from each single machine is available for central management in one PC.

ULTRA-LONG MACHINE HISTORY

- Managers can optimize the key performance parameters of the entire spinning preparation department.
- The system supports total comparison of all machines over long periods of time.
- Compares directly to USTER® STATISTICS.



PERIODIC FAULTS IDENTIFIED BY SPECTROGRAM

- 100% online monitoring with high frequency analysis of spectrogram identifies all periodic faults in the sliver.

POWERFUL ANALYSIS TOOL, EASY TO USE

- The Knowledge Based System supports the managers to immediately find out the source of quality deviations in the gear plans.



IDEAL TO OPTIMIZE THE SPINNING PERFORMANCE

- High quality sliver allows to run highest speed in spinning and improves overall yarn evenness.

**THINK QUALITY,
THINK USTER®**

The Standard from Fiber to Fabric

USTER® is the world's leading supplier of total quality solutions from fiber to fabric. USTER® standards and precise measurement provide unparalleled advantages for producing best quality at minimum cost.

USTER® – Think Quality

Our commitment to state-of-the-art technology ensures the comfort and feel of the finished product – satisfying the demands of a sophisticated market. We help our customers to benefit from our applied knowledge and experience – to think quality, think USTER®.

Broad Range of Products

USTER® occupies a unique position in the textile industry. With our broad range of products, we have a wide reach across the textile chain that is unmatched by any other supplier in the market.

Optimal Service – Complete Satisfaction

Know-how transfer and instant help – we are where our customers are. A total of 200 certified service engineers worldwide guarantees fast and reliable technical support. Benefit from local know-how transfer in your specific markets and enjoy our service à la carte.

USTER® STATISTICS – The Textile Industry Standards

We set the standards for quality control in the global textile industry. With USTER® STATISTICS we provide the benchmarks that are the basis for the trading of textile products at assured levels of quality across global markets.

USTERIZED® – Brand your Products with Quality

USTERIZED® stands for defined and certified quality within the textile chain. We invite selected customers to join the «USTERIZED® Member Program». More information at www.usterized.com.

USTER® Worldwide

With three technology centers, six regional service centers and 50 representative offices around the world, USTER® is always sure of delivering only the best to its customers. USTER® – committed to excellence, committed to quality. And that will never change.



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