

USTER® LVI

The cotton fiber analysis system

USTER®
Think quality

Low-Volume Instruments: Accurate cotton fiber testing on a budget

Success or failure in yarn production depends mainly on the quality, price, and availability of raw cotton. The fact that raw material is by far the largest cost factor in the spinning mill should be motive enough to test incoming cotton bales accurately and reproducibly. For these reasons, USTER® LVI Low-Volume Instruments are the perfect low cost solution.

- Affordable, stand-alone measurement of the key fiber properties for cotton trading and mill processing
- Computer with simple user interface for operation, calibration, data storage and reports
- Traceability of the relevant measurements to USTER® HVI and USTER® AFIS



USTER® LVI 920

Neps in yarn and fabric are among the most common defects in cotton textiles. Neps can be created as early as the harvesting of cotton, and can persist throughout spinning mill processing. Knowing the nep level in raw cotton and during processing allows these defects to be minimized. USTER® LVI 920 provides:

- Nep count and size
- Critical nep size based on yarn count
- Analysis of cotton bales, mat materials, slivers
- Traceable measurements to AFIS



USTER® LVI 930

Cotton fiber length was one of the first parameters to be tested with modern instruments. It helps determine the value of a cotton bale, as well as its application use in a spinning mill. USTER® LVI 930 provides:

- Length and length uniformity
- Short fiber content (bale/mat materials only)
- Analysis of cotton bales, mat materials, sliver
- Traceable measurements to HVI



USTER® LVI 960

The color of cotton fiber and the trash content in a cotton bale are important measures of the value of a cotton bale and the processability of the cotton. USTER® LVI 960 provides:

- Color Rd, +b, color grade
- Trash % area, count
- USDA Color Grade Chart
- Analysis of cotton bales, mat materials
- Traceable measurements to HVI

USTER® LVI: Individual solutions for specific applications

Cotton fiber quality has an impact on both spinning performance and yarn quality. USTER® LVI testing helps a cotton spinner to store and sort incoming cotton bales, based on the quality of the raw fiber. The results can be used for objective evaluation of incoming bales at the spinning mill to guide decisions about further processing.

- Reliable performance, using standard measurement technology
- Simple, manual operation
- Data management tool for combining test results of individual USTER® LVI systems



USTER® LVI 975

Micronaire control of every cotton bale is essential to the homogeneity of the blend. Using micronaire values to establish bale laydowns will eliminate or reduce costly rejects from fabric barré faults. Low micronaire may also cause neps resulting in defects in yarn and fabric. USTER® LVI 975 provides:

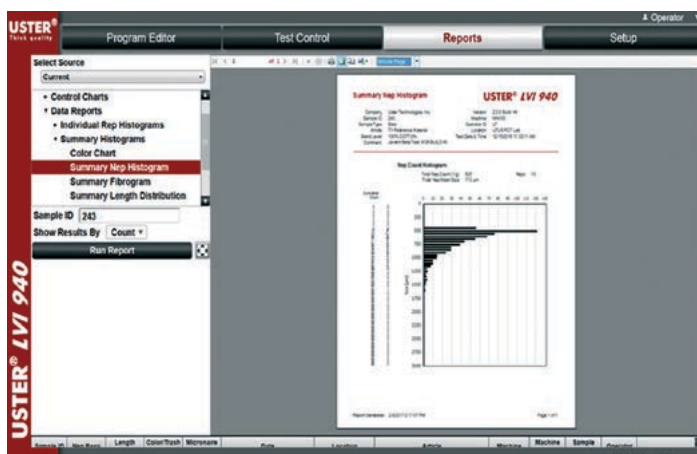
- Micronaire
- Analysis of cotton bales, mat materials
- Traceable measurements to HVI



USTER® LVI 940

This software package for the LVI family has a user-friendly interface for set-up, operating, and consolidating data from every test, for each of the LVI test units. Each unit can be connected to one host computer with the USTER® LVI 940 software installed. USTER® LVI 940 provides:

- Simple navigation
- Real-time test results
- Reports package for summarizing, comparing results
- Data storage for later recall and reports



Reports package for easy data review

The USTER® LVI 940 has many report options, with different views of the data, which are useful to both management and technical staff. Provided are:

- Summary report
- Histogram reports
- Efficiency reports
- Control charts
- Long-term trend report
- Critical nep size report
- Color chart plot report

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.

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

Know-how transfer and instant help – we are where our customers are. A total of 200 certified service engineers worldwide grants 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 quality assured' 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, five 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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