



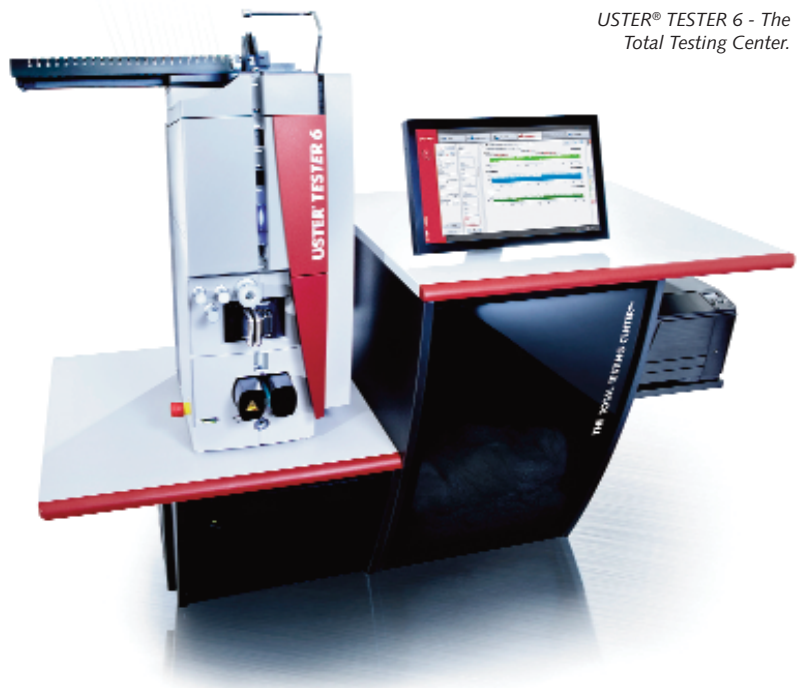
Operator using the yarn prognosis feature of the USTER® TESTER 6.

Ultimate evenness testing and more – with the Total Testing Center

Feedback from Bangladesh spinners details practical benefits of USTER® TESTER 6.

Only two years since its launch, the ground-breaking new USTER® TESTER 6 is making a significant impact in Bangladesh. Ambitious and quality-conscious spinners are eager to participate in the rapid growth in export sales by the country's textile producers. USTER® TESTER 6 is more than the ultimate evenness tester: it is also the gateway to wider potential benefits for mills, integrating data from other USTER® quality measurement sources to create a real Total Testing Center.

Bangladesh mills have been quick to recognize these extended advantages, and several USTER® TESTER 6 units are already in operation in Bangladesh, as well as in the rest of South East Asia, following its global launch at the Milan ITMA in 2015.



USTER® TESTER 6 - The Total Testing Center.

The best in testing

The sheer speed of the USTER® TESTER 6 – without compromise on quality – is hailed by all the spinners. The test speed of 800 m/min also provides highly reliable and extremely accurate results, thanks to the new Capacitive and Optical Sensors. Says Abdul Latif, Deputy General Manager of Divine Spinning Mills Ltd: "Hairiness testing at high-speeds of 800 m/min – also now including Hairiness Length Classification – requires relatively much less time for testing."

Companies also report increased efficiency in quality management, with feature such as the graphical presentation of 'timeline' reports – analyzing the product with a long-term perspective and providing quality data over a pre-defined time. "We are able to analyze the product at a single glance," says Khorshed Ali, Senior Manager Quality Control at Pahartali Textile & Hosiery Mills. Another well-appreciated quality analysis shows the total of pre-defined imperfection classes (neps, thin and thick places) graded by standard and sensitivity level, making it a valuable quality management tool.

In fact, the USTER® TESTER 6 can provide essential data for any parameter describing yarn appearance – taking in well over a hundred different factors – using its inbuilt yarn testing functions, as well as through connections with other USTER® testing and monitoring systems. This totally-integrated facility leverages the value of the information and provides practical insights into the entire yarn production sequence and downstream processes.

This enormous mass of data requires built-in intelligence to transform it into quick and easy-to-follow guidance for the spinner. Quality alerts provide an early warning of potential issues, allowing spinners to identify and remedy any faults likely to cause second-quality material. Objective guidance helps spinners to categorize quality levels, using the so-called 'yarn grades', while critical questions about a yarn's performance in subsequent



USTER® TESTER 6: Optical sensors including the new sensor for hairiness length classification.

processes are answered by intelligent forecasting of fabric appearance, pilling resistance and overall 'weavability'.

Immediate help for users in case of a quality problem on a spinning machine is provided by the Knowledge Based System (KBS). A single click on a spectrogram display – with no need for additional settings or inputs from the machine supplier – brings up the defective component on screen.

Extended support possibilities

Assistant Q is compared to an additional 'employee' arriving in the mill with USTER® TESTER 6. He is on duty 24/7, embodying 65 years of USTER application experience. He checks every measurement – whether from the laboratory and the online instruments. Where quality issues arise, Assistant Q offers a checklist of actions to solve the problem.

"Assistant Q gives us a lot of ideas to solve any problems," says Khorshed Ali at Pahartali Textile & Hosiery Mills.

The USTER® TESTER 6 is the key to accessing the Total Testing Center. As each additional Uster measuring system is connected to the Total Testing Center, the depth of knowledge and expertise held by Assistant Q increases. A major benefit already results from the integration of in-process information from the USTER® QUANTUM 3, which monitors 100% of production at the winding machines. The Total Testing Center then takes spinning mills to the next stage, with detailed analysis of all the data and expert interpretation – giving practical advice and options for specific improvements. This allows quality and productivity criteria to be balanced, so that mills can make informed and risk-free decisions on every aspect of the yarn manufacturing process.

It is clear that spinning mills in Bangladesh are already well aware of the massive possibilities these benefits offer: "To us, the USTER® TESTER 6 is the best evenness tester ever and we intend it to become our Total Testing Center in future," says Shafiqul Islam, Manager Quality Control at Akij Textile Mills Ltd. Other Bangladeshi spinners have also indicated that they plan to connect fiber testing systems and yarn clearers in future.

"The possibility to manage the spinning mill with quality in mind, the range of new and unique features on top of unmatched reliability and accuracy of all functions as a yarn testing system will convince all our customers of the value of USTER® TESTER 6," says AFM Zubair, Director within New Asia Ltd., USTER's agent for laboratory systems and yarn clearers. ♦