

Shirin Spinning Mills Ltd. Data handling is key for quality management



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Uster Quality Expert – The Quality Management Platform™

System for optimizing process control and monitoring quality consistency

“Uster Quality Expert (UQX) hosted in Uster Tester 6, and its connectivity with Uster Quantum Expert, Uster Jossi Vision Shield and AFIS Pro, helped us to manage spinning process control and monitor consistent quality levels with ease,” says Mr. Sanowar Hossain – AGM of Shirin Spinning Mills Ltd., one of Bangladesh’s best-known textile mills.

Among the key benefits of UQX connectivity is availability of quality data in real time, with transparency to focused teams involving production, maintenance and quality assurance departments, resulting in paperless dataflow. Mill analysis reports now make our job easier to compare process performance between units for deviations and maintain consistent quality levels on a continuous basis.

Another important benefit is alarms management. We have been using Uster Mobile Alerts for a year. It is a good tool for all concerned, including shopfloor personnel, as it enables us to bring issues under control quickly in preparatory and ring spinning process stages, which is especially relevant for periodic faults.

Additionally, it is now possible for us to optimize ejection rates in the Uster Jossi Vision Shield system at acceptable contamination levels, at the yarn stage, with the unique Total Contamination Control (TCC) value module integrated in UQX. With the TCC module, we were able to reduce our waste levels by 6.5 tons per line per year, due to ejections being reduced by 25% and more, while the quality of manual sorting is improved by 12% in comparison to earlier levels due to less ejected material.

Uster Quality Expert is now our daily tool to optimize our process control and monitor quality consistency on a continuous basis.



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Quality Expert interview with Mr. Sanowar Hossain

Shirin Spinning Mills Ltd. is a well-known manufacturer and supplier of 100% cotton and blended yarn. The company was established in 2008 and now has a total of 81,492 ring spindles and 960 rotors. Shirin Spinning Mills Ltd. is equipped with a global machinery set-up and is exporting products across the world, mainly to European customers. Buyers include H&M, GAP, Wal-Mart, Target etc. Shirin's growth is deeply rooted in global standards of quality, commitment and supreme innovative technology.

Shirin Spinning finds it easy to manage spinning process control and consistent quality levels with help of Uster Quality Expert in Uster Tester 6 and its connectivity with AFIS Pro, Uster Quantum Expert and Uster Jossi Vision Shield. We asked Mr. Sanowar Hossain for some insights into what has changed since the installation of Uster Quality Expert and its connectivity with other systems.

What are the main benefits of Uster Quality Expert (UQX) in your experience?

One of the main benefits is availability of quality data in real time and its transparency to focused teams, resulting in paperless dataflow. Other benefits include Uster Mobile Alerts and Total Contamination Control, which brings additional values in achieving quality consistency for the required yarn quality.

Who has benefited from real-time monitoring and how?

Focused teams of departments involving production, maintenance and QA are benefiting from UQX reports and Mobile Alerts. One such example is mill analysis reports where a quality comparison is done between units to monitor the process. This results in consistency between units in terms of quality levels and process efficiency.

How does the Uster Mobile Alerts function impact your process improvement?

We have been using Mobile Alerts for a year now, and it is a good tool for all concerned, including shopfloor personnel. It enables us to bring issues under control quickly in preparatory and ring spinning process stages, which is especially relevant for periodic faults.

What is the advantage of connecting Uster Jossi Vision Shield to UQX?

The main advantage of connecting our Uster Jossi Vision Shield system to UQX is to compare the contamination sorting at the fiber cleaning stage with the correct contamination levels at the yarn stage, on a continuous basis. Reports such as Benchmarks and Trend Analysis help to ascertain optimum level of ejections with the required contamination levels, at the winding stage. Hence the new concept of Total Contamination Control (TCC) is now possible with this connectivity.

Can you please share your experience of Total Contamination Control?

The main advantages of TCC are a reduction in ejections by about 25% resulting in saving of 6.5 tons of waste per line per year. Now it is easy to achieve contamination quality levels with optimum process control after TCC implementation. Additionally, quality of manual sorting is improved by 12% due to less waste, which helps in improving overall process efficiency and will save substantially on energy costs due to less air consumption.

What is your key statement regarding the overall value from UQX?

We have been able to optimize our process control, with help of Uster Quality Expert and its value modules such as TCC and Mobile Alerts, on a daily basis, as well as monitoring quality consistency on a continuous basis.

Mr. Sanowar Hossain – Thank you very much for these valuable insights.



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Customer Statement

“ We could optimize our process and monitor quality consistency with help of UQX.”