

Nahar Spinning Mills Ltd. Malerkotla

Quality is the basis for a long-term partnership



Nahar Spinning Mills Ltd.
Unit Nahar Fibres
VPO: Jitwal Kalan,
Tehsil / District Malerkotla
148019 Punjab
India
www.ownahar.com

Uster Quality Expert – The Quality Management Platform

Solving pilling issues with Value Module mill analysis

Even world-class yarn producers like Nahar Spinning Mills Ltd are not exempt from the difficulties created by external market and commercial conditions. In recent times, the rising prices of raw materials, as well as some actual shortages, have created real challenges. In this environment, manufacturing costs have increased. At the same time, falling market prices for yarns have added to the pressures on all spinners.

That's where some specific solutions prompted by the Quality Management Platform from Uster have been instrumental in improving detailed – but significant – aspects of the company's production processes.

Nahar Spinning Mills, located at Malerkotla in the state of Punjab, India, has top-rated spinning and R&D facilities, as well as a fully-equipped laboratory with latest instruments, including Uster Tester 6.

Uster Quality Expert has been a key element in maintaining quality consistency for Nahar. Unit Head Mr. Mukesh Rustagi (General Manager), mentions particularly the importance of the system's ready-made and easy-to-use database, which automatically enables quality comparisons based on both inline and laboratory data.

"Trend monitoring is just a click away," he says. "The Quality Management Platform helps us trace and track quality deviations in the fastest time, which is vital in avoiding unnecessary losses."

The Value Modules provided through Uster Quality Expert have driven insights into critical issues such as pilling analysis, in which the Yarn Prognosis module guided notable improvements. As a result production of B-grade yarn was minimized and the confidence of key customers was enhanced by the assured yarn quality levels being delivered.



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Quality Expert interview with Mr. Mukesh Rustagi

Nahar Spinning Mills Ltd started as worsted and hosiery unit in Ludhiana, in the Indian state of Punjab, in 1980. In the early 1990s the company added a spinning unit at Malerkotla, to produce high-quality value-added yarn. The mill is equipped with state-of-the-art spinning machines and world-class R&D facilities. It has a complete Uster textile laboratory, with latest-generation instruments such as the Uster Tester 6.

The mill has 145,968 ring spindle and 768 air-jet spinning positions, producing yarn counts in the range Ne 10 – 40 in 100% cotton, synthetic and blends. Markets include Vietnam, Bangladesh, Israel, Korea, Mauritius, Turkey, Thailand, Egypt, Sri Lanka, Brazil, Poland, Hong Kong, Japan, Canada, USA and China.

As a long-term partner of Uster Technologies, Nahar appreciates the benefits of Uster Quality Expert in guiding real improvements in quality consistency through detailed data-driven comparisons. In this interview, General Manager Mr. Mukesh Rustagi outlines the company's current challenges and explains how the Value Modules of Uster Quality Expert are helping to deliver positive advantages.



What has been the general market situation recently

The market last year was really challenging with shortage and increases in the cost of good quality raw material. This resulted in higher manufacturing costs for us. To worsen the situation, the demand was lower, which resulted in falling yarn prices.

What were your main issues to improve?

With the challenges mentioned earlier, it was important to reduce off-quality within minimum reaction times and avoid quality complaints.

What was the solution?

Uster Quality Expert, with its Value Modules, was a vital tool. It allowed us to keep tabs on the quality data using all the data made available to us. With the Yarn Prognosis Value Module, we started looking into pilling index value, following the introduction of the HL sensor. During one such comparison of 20CH between U1 & U4, we observed U1 pilling values were on the lower side by 0.5. When checked also with the S3 value, we found a huge deviation, while not much in H value. On further investigation on the ring spinning machines, we found an issue with the rings and ring diameter being used. By rectifying this, we could restore the quality in the level of U4 within a minimal time and avoiding losses.

How did the changes influence production?

They helped us to be able to provide consistency in quality and reducing low quality yarn production, which resulted in minimized losses due to B-grade yarn.

How do the improved aspects of production influence business?

Maintaining the consistency in quality using Uster Quality Expert helped to reduce market complaints, thereby instilling confidence from our buyers, which extends to further orders during the difficult times.

Mr. Mukesh Rustagi – Thank you very much for these valuable insights.



Mr. Mukesh Rustagi
Unit Head
General Manager

+91 1675 503000

mukesh.rustagi@owmnahar.com

Customer Statement

“ Uster Quality Expert is really Quality Expert helps in improving yarn quality and giving us customers satisfaction. ”