

Shandong Zhink

'Easy' quality management for ultimate customer satisfaction



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Chinese spinner implements real-time monitoring and data analysis with Uster Quality Expert.

From time-consuming manual data collection and analysis to comprehensive quality control of the spinning processes... that's the significant upgrade achieved by Shandong Zhink New Material Co., of Zaozhuang City in China.

For a spinner operating in a diverse and extremely competitive environment, with a sizeable export business, the question of quality – and especially consistency of quality – has a massive influence on production routines, as well as on customer perceptions.

Thanks to Uster Quality Expert, Shandong Zhink is enjoying comprehensive mill analysis, with error prevention and the facility for fast changes of machine settings. Before UQX, the mill had to rely on manual data only. Now, UQX has allowed the company to access integrated production and quality data inline, in a single unified system.

Says General Manager Mr. Changjin Ding: "We have been able to change our working methods to make the most of the benefits. For example, instead of applying clearer settings machine-by-machine, the system now synchronizes data across all winders running the same article, to avoid the risk of errors.

"It means we can detect potential quality problems early and prevent bigger issues. So we can ensure greater consistency of yarn quality. UQX makes it easy to manage quality and deliver the products that guarantee total customer satisfaction – as well as better profits for us."



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Quality Expert interview
with Mr. Changjin Ding
General Manager

As a major producer of a wide range of yarn types and materials Shandong Zhink places great importance on effective quality management, necessary to satisfy its customers in very demanding markets.

Located in Zaozhuang City in the Shandong Province of China, the company operates a total of 150,000 spindles, including 46,800 in its Unit 3 spinning mill, which is highlighted in this report. Unit 3 alone has 160 employees and exports about 30% of total output.

The product range includes polyester blends with modal and viscose, as well as cotton/flax yarns. Manufactured using compact and Siro spinning systems, these yarns are destined for weaving and knitting applications. Major markets include China, Southeast Asia, the Middle East and Russia.

In this interview, General Manager Mr. Changjin Ding explains the importance of comprehensive data-based analysis of quality issues, and the role of Uster Quality Expert in delivering the yarn quality consistency that customers demand.



How is the general market situation?
The market is competitive. We find that customers are increasingly requiring higher standards in yarn quality consistency.

Which issues did you need to improve for enhanced competitiveness?
Previously, when we wanted to change yarn clearer settings, we were only able to do this on one machine at a time. Not only was this a waste of time, but it was also prone to errors – resulting in differences in the quality of the yarn.

There was no way to have comprehensive quality control of the spinning process, so the final check could be only be done in the winding process.

And all data related to yarn manufacturing could only be obtained manually.

What was the solution you chose?
We installed Uster Quality Expert (UQX), with its related components Uster Quantum Expert (UQE) and Uster Sentinel (USL), making it possible to integrate all production and quality data into a single system. That means it is very easy and convenient for us to unify all the settings, find any exceptions, and see a complete mill analysis.

How have these changes influenced production?
They changed our way of working. Previously, we had to adjust settings machine-by-machine. Now, all we have to do is open UQE and sync the settings across all machines producing the same article.

The Alarm Center quickly notifies any exceptions in production, so there is no need to check reports one by one.

The bobbin build-up feature is also very useful for us. Without this information, we would not be able to monitor how the quality of the yarn was changing during spinning. For example, an abnormal hairiness curve might be an indicator of issues at a spinning machine.

So, production routines have improved. But what has been the impact on the business?
UQX provides us with better mill analysis. This in turn has a positive effect on both quality control and yarn quality consistency. The ultimate benefit of this has been noted in higher levels of customer satisfaction – and fewer complaints.

Mr. Changjin Ding – Thank you very much for these valuable insights.

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Customer Statement

“ UQX makes it easy to achieve better consistency and stability in yarn quality – which means greater customer satisfaction and improved profitability.”