

Xiajin Ruixin Real-time quality monitoring and analysis



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Uster Expert Systems improve efficiency and boost profitability

When market conditions are bad, the pressure on spinners increases. Customers demand better quality and service from their yarn producers. It's a continuing story: the business environment this year has again been extremely demanding, even for well-equipped progressive companies like Xiajin Ruixin. So, how has this leading Chinese spinner been able to remain competitive, and even managed to enhance both quality consistency and production efficiency?

A major contributor to the success of Xiajin Ruixin has been the ability to implement real-time quality monitoring with Uster Expert systems. Supported by a combination of Uster's in-process and laboratory instruments, the Quality Expert, Quantum Expert and Vision Shield Expert solutions offer fast quality control and analysis. This enables the mill to identify and remedy quality issues at the earliest stage, while also guiding equipment maintenance requirements.

Efficiency improvements arising from these benefits mean that the entire manufacturing process runs more smoothly and production costs are optimized alongside the quality advantages, to boost overall profitability.

As a result, Xiajin Ruixin is confident that its yarn quality standards are consistently high. Stringent customer quality demands are met, and its brand image and reputation are consequently heightened.

Says mill owner Mr Jinxing Jiang: "In yarn manufacturing, we can now locate and rectify any issues in a timely manner. This has brought multiple benefits in higher production efficiency and assured yarn quality, as well as reducing quality complaints and controlling costs, to make profits higher."



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Quality Expert interview with Jinxing Jian, Owner

Xiajin Ruixin Textile Co. Ltd. is an award-winning spinning company located in the Shandong province of China. It has received a number of honors for business excellence in its region, including recognition for health and safety and environmental responsibility.

Its spinning unit in Xiangzhaozhuang town, Xiajin county, employs 500 people and is equipped with 100,000 spindles, producing mainly 100% combed cotton on compact and Siro systems. Yarns in the count range Ne 8 to Ne 40 are generally for knitting applications.

Major markets are in various regions of China, with average annual revenues around 500 million RMB.

The need to remain competitive while delivering the consistently high quality demanded by customers has led to the company taking advantage of the benefits of Uster Quality Expert to make significant progress in managing production costs, while also enhancing its reputation in the industry.

In this interview, mill owner Mr Jinxing Jian explains the challenges the company faces – and outlines the positive impact of the Uster systems.



What is the general market situation like and what effect does this have on the business?

Market conditions are bad this year. Export orders are declining, domestic orders are also sluggish, and competition is fierce.

What were your biggest challenges to improve things?

Customers today have higher and higher demands for cotton yarn quality, and their requirements for each individual quality parameter are also becoming much more stringent. At present, it is necessary to continuously improve product quality and reduce costs.

How did you tackle these issues?

With a combination of Uster in-line monitoring systems and advanced laboratory instruments such as MF100, AFIS and Tester 6, we are able to strictly control production conditions and quality indicators. Especially thanks to the impact of Uster Expert systems, our staff can now monitor the real-time production situation of each process, and investigate the cause very quickly when a quality exception happens.

How have these changes influenced production?

With Uster's quality inspection, monitoring and analysis systems, we can control product quality very effectively. It also allows us to optimize process settings, greatly improving production efficiency. Now, our product quality is more stable and consistent, and we also have good information with regard to equipment maintenance requirements.

How do the improvements in production influence the business?

With consistent product quality, we are able to meet customer needs continuously. This has reduced quality complaints. Better production efficiency has led to reduced costs, making profits higher.

How would you evaluate the overall experience of using the Uster Expert Systems?

Using Uster Expert Systems, a variety of useful reports help us to continuously monitor the quality of our products, so that quality data can be easily obtained and analyzed. In the actual yarn production, we can quickly identify quality problems and rectify them in good time, which improves our production efficiency and assures our yarn quality. By continuing to provide customers with high-quality products, we win their trust and their support enhances our brand image.

Mr. Jinxing Jian – Thank you very much for these valuable insights.



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Customer Statement

“ We can quickly identify quality problems and rectify them in good time. ”