

Pt. Embee Plumbon Textiles – Spinning with Passion



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Optimizing both waste and quality through Total Contamination Control and alarm management

Uster Quality Expert has enabled this mill to optimize both quality and efficiency, detecting and fixing defects quickly through mobile alerts – and reducing waste of good fiber.

Uster Quality Expert has brought wide-ranging benefits to Indonesian spinner PT. EMBEE PLUMBON TEXTILES. The company's Technical Director, Mr Poonia, reports that Total Contamination Control has enabled a 50% reduction in material ejected by Vision Shield in the blowroom. And this has been achieved together with no increase in clearer cuts at winding, so that remaining defects in the yarn are consistently controlled.

The value of Uster Mobile Alerts is also highlighted by an example of a real yarn fault which the mill noted during winding. Alarms from the system allowed the defect to be traced back to an issue with a new supply of polyester at the drawing stage. It was causing an increase in dust in the draw frame coiler, creating a fault in spinning.

Locating and correcting this fault within a single day saved 'a tremendous amount of material' which would otherwise have been classed as second quality. It also prevented machine efficiency being affected by yarn breaks and cuts.

Training and technology support from Uster benefited both the company's new installations and an older unit, so that the two units are now connected, with enhanced overall quality control.



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Quality Expert interview with Mr. Poonia

PT. EMBEE PLUMBON TEXTILES started operations in 1999 at a site close to the city of Cirebon in West Java, approximately 200 km from Indonesia's capital city of Jakarta. The plant is equipped with modern and state-of-the-art technology to service the high-growth demand of global textile industries. Its third generation of textile machinery, with latest intelligent software, has established new standards in quality and plant economics for the 21st century.

A customer-oriented approach and continuous technology upgrading are at the core of the company's activities. Skillful operating disciplines and comprehensive training programs drive product and process development to new levels. PT EMBEE has focused on investing in technology with customer satisfaction as its highest priority.

As a Technical Director and user of Uster Quality Expert, where have you seen the biggest benefit?

Definitely the application of Total Contamination Control for optimizing the ejections and cut levels is a highlight. The combined overview of ejections at fine cleaning together with remaining defects in the yarn has allowed us to fine tune our ejection levels, based on the end result. In this way, we managed to reduce the ejections in Uster Jossi Vision Shield by 50% and still achieve the same level of remaining defects in the yarn – without increasing the number of yarn clearer cuts. With Total Contamination Control, we greatly reduced the loss of good fiber, while consistently controlling remaining defects.

Was Uster Quality Expert and its value modules difficult to master?

Our new cotton unit team was initially trained by the Uster agent, and textile technologists explained the concept of Total Contamination Control. Since then, our teams are using Quality Expert daily. After that, we extended the training in our older unit, which is also equipped with Uster products. Now, we have connected both units in one system – and we have much better control of the quality.

So the investment which was intended for the new unit has also benefited the existing unit. That is a twofold benefit, right?

Yes, that's right (laughs). Our personnel in both spinning units also have access to the alerts, which is much more useful than going through numerous reports and data.

Could you share a concrete case where Uster Mobile Alerts helped you to identify an issue?

Yes, there are many examples. The most recent that I can recall is an alarm triggered by a sudden increase in yarn faults during winding. We first noted the alarm in the machines that were producing coarse counts. And one shift later, the machines running the fine counts also started to show alarms for the same reason. We immediately began tracing back the issue and were able to pinpoint the source as the drawing stage. We were using polyester fiber from a new supplier, and this was resulting in a higher deposition of dust in the draw frame coiler, consequently leading to drawing defects in spinning.


This is a remarkable result. What would have been the consequence if you didn't have mobile alerts?

We would have come to notice the result much later, perhaps after a few days. With the mobile alerts, the right people were notified immediately and were able to trace the source of the problem within one day. This saved a tremendous amount of material that we would otherwise have had to classify as second quality. Furthermore, machine efficiency would have dropped significantly for this period, due to yarn breaks and cuts.


Mr. Poonia, thank you for utilizing Quality Expert to the highest level. We wish you many more successful results in the future.


My pleasure.



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Customer Statement

“ UQX value modules ensures high throughput of first quality production. ”