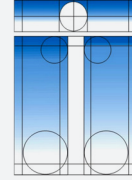


Ibrahim Fibres Limited

Where work culture is the foundation for success



Ibrahim
GROUP

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Uster Sentinel – The ring spinning optimization system

Beyond end-break detection, for the ring spinning and winding processes

Detecting faults at source with Uster Sentinel has enabled Ibrahim Fibres to extend the quality and performance benefits from ring spinning right through to the winding stage with Uster Quantum clearers. This is making a great difference to both quality and productivity across the mill.

End-break downtime in spinning has reduced by 80%, while clearer cuts at winding are 19% less than previously. Overall winding efficiency is up by 1%.

Mr. Muhammad Zafar Iqbal, General Manager of Textile Plant 4, says Uster Sentinel makes its operators' lives easier too. They are guided logically to each break, instead of having to patrol monotonously. This means the operators are working more efficiently. Already they have been able to optimize operator assignment, increasing the work area of each by 35% after only a short time – and expect this to reach double the original level in future.



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Quality Expert interview with
Mr. Muhammad Zafar Iqbal

Ibrahim Fibres Limited was incorporated in 1986 as a public limited company and is listed on the Pakistan stock exchange. The company operations currently comprise of polyester and textile spinning plants. The polyester plants produce a wide range of polyester staple fiber. The textile spinning plants specialize in production of fine counts of blended as well as pure synthetic yarns. The power requirement of the company is met from internal power generation.



Why did you choose Uster Sentinel as the monitoring tool for your ring spinning machines?

We find that Uster Sentinel brings additional advantages by further reducing yarn fault cuts and yarn alarms at the winding stage, with help of Uster Quantum clearers. Our main focus is not only to increase ring spinning performance but to extend it to the final yarn stage in the winding process.

What has changed in the spinning department since the installation?

The Uster Sentinel system guides operators logically to the next yarn break, so they no longer need to search and patrol laboriously for breaks. Thus, operator motivation for their working practices has significantly increased, resulting in better work management on a continuous basis. We have been able to increase the working area of machine operators by about 35% within a short period, and are aiming to double the area in the near future.

Does better operator work management also increase spinning process efficiency?

Yes, very much so. We have reduced end-break downtime by about 80%, with rationalized path optimization for operators. This resulted in overall pneumafil waste reducing by about 1.3%, which is a significant production gain.

How does your technical team feel about working with Uster Sentinel?

We have a dedicated team of people which goes through exception reports from the Uster Sentinel system on a continuous basis. As all the information is available in one place, and our team ensures daily fixing of repeated break positions (rogue) and slip spindles in real time. This contributes to increased production, not only at spinning, but also at the next stage of winding. There is no doubt that the final yarn quality is better after outliers have been attended to promptly. Hence our team feels that it has a handy tool to control production quality.

Can you please elaborate on how you improved production at winding?

By attending to the source of faults at ring spinning, we were able to reduce our yarn fault cuts at winding by about 19% and further yarn alarms reduced significantly. We increased our winding efficiency by about 1%, as well as producing better quality with fewer alarms in the process.

Are there any further benefits you would like to highlight with Uster Sentinel?

One more important benefit of the Uster Sentinel system is that it supports sustainability solutions. We have been able to bring down our energy costs significantly, due to reduced reprocessing of roving waste and hard waste at the winding stage. We have conserved more energy in both power and air consumption, since less waste is being produced than earlier. These benefits are in line with our company's vision, mission and core values.

How would you summarize your experience with Uster Sentinel?

We are happy with our investment in the Uster Sentinel system. More importantly, it has helped us to bring smiles at all levels of the workforce, alongside performance-oriented results in spinning and winding. We also believe our association with Uster could leverage even more benefits in future through connectivity to Uster portfolio products such as Uster RSO 3D.

Mr. Muhammad Zafar Iqbal – Thank you very much for these valuable insights.



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Customer Statement

“ Uster RSO is a real game changer for consistent yarn quality. We are delighted – and so is the customer. ”