

**USTER® RSO 3D**  
The third quality dimension

## USTER® RSO 3D

Maximize potential in the most cost-intensive process

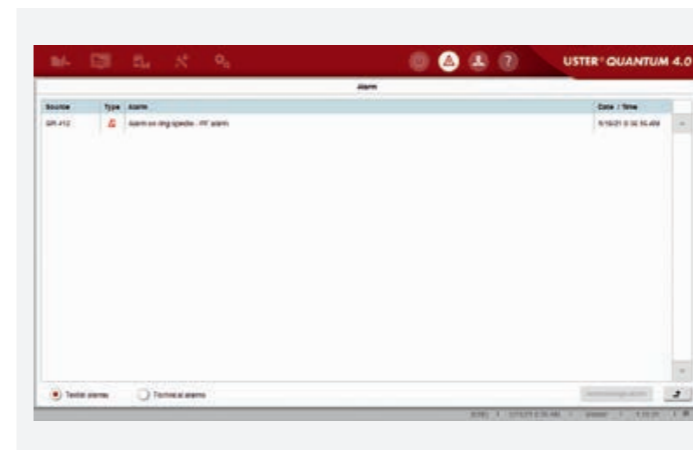
The intelligent combination of Uster Sentinel, Uster Quantum 4.0 and a linked winding machine with spindle identification reveals a unique preventive quality control for textile mills. Three dimensions of quality measurement in one system achieve the ultimate goals of process optimization and traceability.

- Stop faulty cops being wound
- Stop the production of poor quality with 'clearers on ring frames'
- Quality mapping of individual spindles



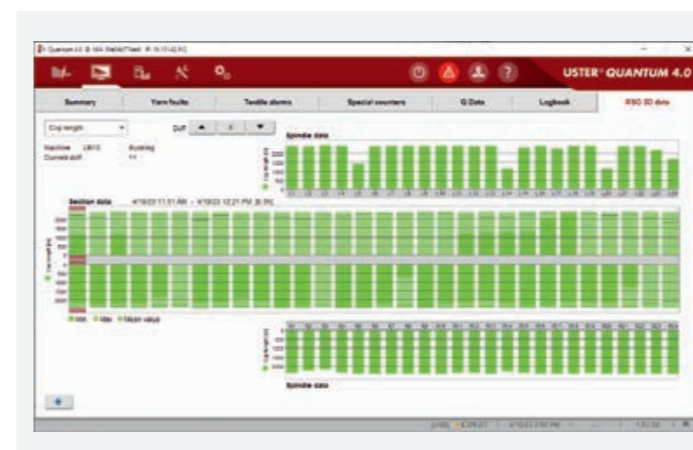
### Stop faulty cops being wound

Saving cost-intensive cuts at winding machines has a tremendous impact on textile mill profitability. Uster Sentinel communicates with the winding machine to stop poor quality cops being wound. This filters inappropriate quality – such as uneven cops – and reduces the number of yarn clearer cuts, alarms or winding cycles. Uster Sentinel also guides the operator to the relevant position through clear and simple spindle and section LEDs, allowing fast action.



### Stop poor quality with 'clearers on ring frames'

Uster Sentinel systems with the Roving Stop option, paired with Uster Quantum 4.0 clearers on linked winders with a spindle identification system, give mills a distinct advantage: information on poor cop quality at winders flows back to the corresponding ring frame, where the Roving Stop blocks the affected spinning position. This defect prevention clearly results in the minimization of material waste, reducing further cuts and alarms.



### Quality mapping of individual spindles

Individual quality data for each spindle position enables quality mapping across the ring spinning machine. This helps to identify outlier sides, sections or spindles, in addition to supporting maintenance decisions. Quality mapping also enables users to trace problems back to the individual roving machine and bobbin.

Uster RSO 3D provides individual cop quality data for each spindle position. Quality mapping along the ring spinning frame maximizes the optimization potential.

Quality view over the cop built-up

Average quality view for ring spinning frame comparisons

USTER® RSO 3D  
(Ring Spinning Optimization 3D)

### In collaboration with

- Muratec
- Savio

### The standard from fiber to fabric

Uster is the world's leading supplier of total quality solutions from fiber to fabric. Uster standards and precise measurement provide unparalleled advantages for producing best quality at minimum cost.

### Think Quality

Our commitment to state-of-the-art technology ensures the comfort and feel of the finished product – satisfying the demands of a sophisticated market. We help our customers to benefit from our applied knowledge and experience – to think quality, think Uster.

### Broad range of products

Uster occupies a unique position in the textile industry. With our broad range of products, we have a wide reach across the textile chain that is unmatched by any other supplier in the market.

### Optimal service

Know-how transfer and instant help – we are where our customers are. A total of 215 certified service engineers worldwide grants fast and reliable technical support. Benefit from local know-how transfer in your specific markets and enjoy our service à la carte.

### Uster Statistics – the textile industry standards

We set the standards for quality control in the global textile industry. With Uster Statistics, we provide the benchmarks that are the basis for the trading of textile products at assured levels of quality across global markets.

### Usterized – brand your products with quality

Usterized stands for 'defined quality assured' within the textile chain. We invite selected customers to join the Usterized Member Program. More information at [www.usterized.com](http://www.usterized.com).

### Uster worldwide

With four technology centers, four regional service centers and 50 representative offices around the world, Uster is always sure of delivering only the best to its customers. Uster – committed to excellence, committed to quality. And that will never change.



### Uster Technologies AG

Sonnenbergstrasse 10  
8610 Uster  
Switzerland  
T. +41 43 366 36 36  
F. +41 43 366 36 37  
[sales@uster.com](mailto:sales@uster.com)  
[www.uster.com](http://www.uster.com)