



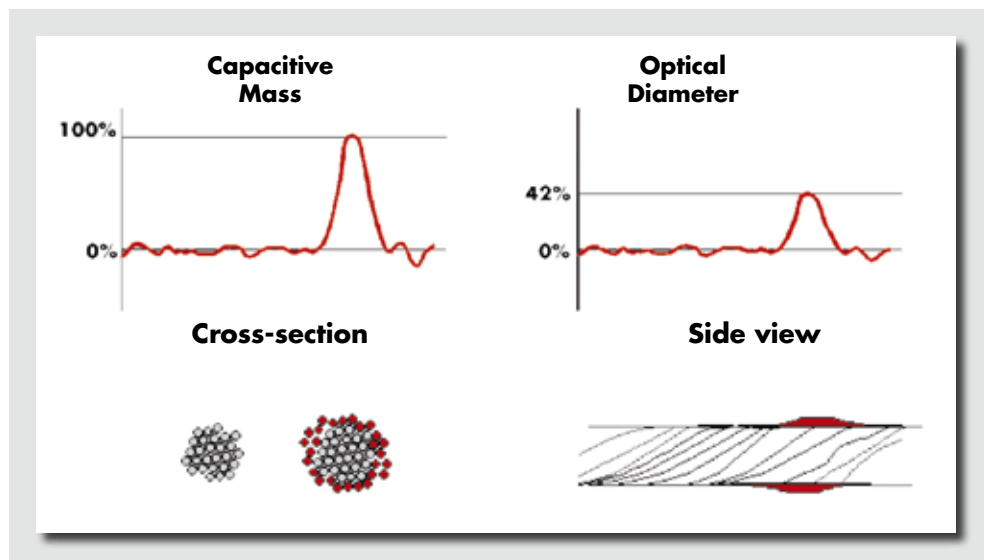
NEWSLETTER USTER® QUANTUM 2



*capacitive or
optical
capacitive + FM
optical + FM*

USTER® QUANTUM 2 – The only On-line Quality Assurance System that offers you the choice of state of the art capacitive or optical clearing technology depending on the needs and preference. With advanced sensors and sophisticated algorithms, the USTER® QUANTUM 2 allows spinning mills, the first time ever, to quantify and systematically control out of quality exceptions for the total production. This allows you to maintain consistent quality day and night.

Users can choose either the capacitive (iMK C15/C20) or optical sensor (iMK O30) for basic clearing (Neps, Thick and Thin places) depending on the application. The foreign fiber sensor (F23) is optional to either of the basic sensors (C15 F23 or C20 F23 or O30 F23).



UNIQUE BENEFITS AND ADVANTAGES OF USTER® SENSOR TECHNOLOGY

USTER® QUANTUM 2 sensors (capacitive or optical) allow clearing limits with a high precision!

- The only system with clearing limits in steps of 1% (mass or diameter) and 2 mm (length) resulting in precisely optimized settings and low undesirable cuts.

USTER® QUANTUM 2 sensors (capacitive or optical) are self calibrating!

- No periodic hardware calibration needed unlike conventional capacitive or optical clearers guaranteeing reliable performance continuously.

USTER® QUANTUM 2 sensors (capacitive or optical) have high signal to noise ratio.

- USTER® sensors are not influenced by ambient light or electrical noise guaranteeing higher detection rate and accuracy in long thick and thin places than any conventional clearer.

Apart from the common benefits and advantages, USTER® QUANTUM 2 offers the following specific advantages:

USTER® QUANTUM 2 CAPACITIVE

Highest measurement resolution among all available sensors for online systems

- E.g. 42% increase in diameter = 100% increase in mass, allowing detection of even the smallest variations e.g. Count variations less than 10% mass deviation.

Individual monitoring of quality parameters (Unevenness CV%, Imperfections, Classification, Count) based on mass

- Detection and elimination of exceptions for all standard quality parameters.

Unmatched correlation to USTER® Laboratory solutions

- Monitoring of 100% of the production for exceptions according to end user needs.
- Quality assurance for the entire production.

USTER® QUANTUM 2 OPTICAL

Highest measurement resolution among all available optical sensors for online systems

- Shortest optical measuring field → 3 mm allowing detection of even 2 mm defects (e.g. Short neps).
- Conventional optical yarn clearers do not see defects below 5 mm length.

Individual monitoring of quality parameters (Unevenness CV%, Imperfections, Classification, Count)!

- Detection and elimination of exceptions for all standard quality parameters.

Unmatched correlation of trends and exceptions to USTER® Laboratory solutions

- Monitoring of 100% of the production for exceptions according to end user needs.
- Quality assurance for the entire production.

USTER® offers a full range of leading products to consistently measure quality at all stages of the textile value chain. With USTER® QUANTUM 2 (capacitive or optical clearers) spinning mills can implement total quality testing and significantly scale up their quality management to meet the demanding needs in a highly competitive world.

USTER® QUANTUM 2 – the most preferred clearer by spinning mills worldwide!

Uster Technologies AG

Wilstrasse 11
CH-8610 Uster / Switzerland

Phone +41 43 366 36 36
Fax +41 43 366 36 37

www.uster.com
sales@uster.com