



USTER® JOSSI SHIELDS

The blowroom protection systems

Quality
Market reputation
Contamination
Production yield
Testing
Sustainability
Raw material
Claims
Consistency
Productivity
Pricing and cost
Cost control
Manpower
Energy and cost
Global sourcing
Raw material
Efficiency per production step
Depreciation
Fiber yield
Yarn breaks
Maintenance
Operators
Labor skills
Interest

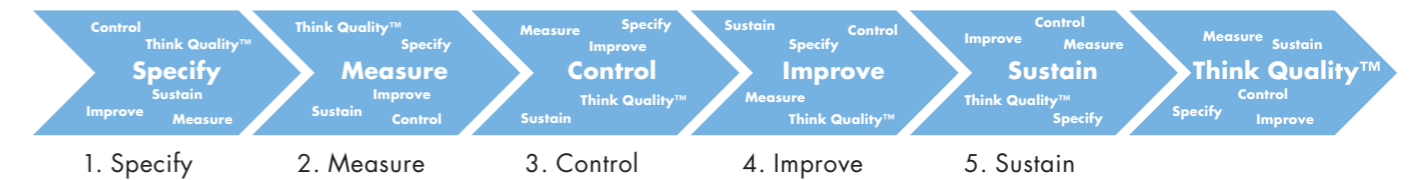
What is Think Quality™?

It is 'managing your spinning mill with quality in mind'.

In today's competitive markets, spinning mills need to deliver yarn of the right quality every time. The yarn must meet the expectations of customers, be free of unacceptable defects, and be produced with optimum use of resources. And all this has to be achieved in an extremely challenging business environment!

Take control of your quality – Think Quality™

USTER's unique Think Quality™ approach is the way to 'manage your spinning mill with quality in mind'. It combines the many aspects of our products and services to ensure the right quality is produced every time. Think Quality™ the USTER way means helping textile producers to improve their control of quality, with the ultimate aim of turning quality into profitability. To achieve predictable profits for long-term business sustainability.



The principles are simple. Priorities include: a clear specification; the right measuring systems; a 'fast response' control of production; a good understanding of improvement options; and optimization of processes for business sustainability.

Prepared for the unexpected with USTER® JOSSI SHIELDS

The detection and elimination of foreign matter has a serious impact on both quality and safety in spinning mills. Spinners will be aware that there are several methods to control foreign matter contamination. The USTER® JOSSI SHIELDS offer proven solutions, with the trusted USTER® JOSSI FIRE SHIELD, USTER® JOSSI METAL SHIELD and the USTER® JOSSI COMBO SHIELD as the ultimate combination.

The safest way to guard against unforeseen and costly hazards is to apply carefully-designed systems for the detection and elimination of sparks and metal parts in blowroom lines. Only ultra-sensitive detection systems can immediately activate alarms to alert spinning mill operatives to take necessary action in the event of a problem. USTER® JOSSI SHIELDS are installed in pneumatic conveyor lines where fiber material is transported. The shields detect and directly eject foreign matter from the line, using high-speed diverters.

USTER® JOSSI FIRE SHIELD

The value protector

Sparks in transport pipes cannot be prevented totally, but it is essential to stop them growing into an uncontrollable fire. The USTER® JOSSI FIRE SHIELD consists of an ultra-sensitive spark detection system. Its compact construction allows easy installation, even in small areas.

- Ultra-sensitive spark detection system for eliminating sparks and embers
- Protecting the value in your spinning mill
- Immediate reaction with optional extinguisher system



Ultra-sensitive spark detection

The USTER® JOSSI FIRE SHIELD detects and diverts particles which might cause a fire hazard in the blowroom.

Contaminated material from the pipes is separated immediately, so that sparks and embers are isolated and various alarm functions are activated.



Protecting the value in your spinning mill

With as much as 1200 kg cotton inside a mixing machine at any time, fire prevention plays a crucial role to protect the value of spinning mills.

A sophisticated spark detection method, based on proven technology, does not react to 'false' sparks. False alarms caused by electrostatic discharge when processing man-made fibers and blends are prevented by the USTER® JOSSI FIRE SHIELD.



Optional extinguisher system

As soon as sparks or embers are detected, they are separated and safely isolated in a fire-shielding container. The optional extinguisher system reduces maintenance time, as operators do not have to empty this container immediately.

USTER® JOSSI METAL SHIELD

The smart protector

Expensive mechanical damage to machinery can often be caused by a single small particle of metal. The USTER® JOSSI METAL SHIELD consists of a proven metal detection system to avoid this hazard.

- Precise detection and elimination of metal particles in fiber processing
- Sophisticated blowroom protection solution
- Speed sense technology minimizes the amount of ejected material



Detection and elimination of metal particles

The USTER® JOSSI METAL SHIELD consists of an ultra-sensitive metal detection system, which enables superior detection and elimination of metal particles in raw material processing. Even tiny non-magnetic particles such as aluminum and copper are detected and safely removed.



Sophisticated blowroom protection solution

An extremely compact design results in excellent performance, even in a harsh environment with vibration and electromagnetic interference. Only a well-designed solution can meet the expectation for effective detection and elimination of metal particles in fiber processing.



Speed sense for high fiber yield

Speed sense technology minimizes the amount of ejected material and is now a standard feature of the USTER® JOSSI METAL SHIELD. Depending on the speed and the size of the detected metal particle, the diverter's activation time is automatically adapted. This selective adjustment results in optimum saving of good cotton.

USTER® JOSSI COMBO SHIELD

The ultimate protector



USTER customers can select the ideal combination to protect their valuable investments with the USTER® JOSSI COMBO SHIELD, which consists of ultra-sensitive metal- and spark-detection systems.

- The optimum solution for spinning mill protection combining, USTER® JOSSI METAL SHIELD and USTER® JOSSI FIRE SHIELD
- Preventing costly damage
- Cost-effective and lower-maintenance



The optimum combination

The combination of USTER® JOSSI METAL SHIELD and USTER® JOSSI FIRE SHIELD provides optimum security against sparks and metal parts in the transport pipes of cotton blowroom lines. It comprises highly-sensitive detection systems, for dual protection.



Preventing costly damage

Together, these detection systems defend mills against the potential costly impact of both mechanical damage to machinery and fire damage to material and equipment.



Cost-effective and lower-maintenance

The USTER® JOSSI COMBO SHIELD is the safety system with the flexibility to meet customer requirements, adaptable to suit different spinning mill lines. The high-speed USTER® JOSSI SHIELD diverter maximizes security in yarn manufacturing. The USTER® JOSSI COMBO SHIELD isolates and extinguishes the ejected material securely. This saves maintenance costs by avoiding the need for continual removal efforts by operators.

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 200 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.

USTER worldwide

With three technology centers, five 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.



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