

– Cotton Decoded –  
 36<sup>th</sup> International Cotton Conference Bremen

**Higher- Further- Faster**

**Textile processes on the fast track**



**Bremen, 21.07.2022: The Bremen Cotton Exchange and the Bremen Fibre Institute e.V. together are inviting to the 36<sup>th</sup> International Cotton Conference Bremen on 29<sup>th</sup> and 30<sup>th</sup> September. Under the Slogan “Cotton Decoded”, all conference participants will be offered an ambitious programme with topical lectures and lively discussion groups on location in Bremen as well as online via a conference platform.**



Spinning Mill © Haessig, Asian Cotton Traders

Cotton testing methods, fiber quality, and the impact on spinning process productivity have been at the heart of the International Cotton Conference since 1965. Experts in textile processing discuss from different perspectives. We take a deep look into textile processes with a focus on greater efficiency and speed.

On Friday, 30<sup>th</sup> September, two sessions at the Cotton Conference will address some problem areas within textile processes and at the same time offer ideas for suitable solutions. Examples include:

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**GOLD**


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## Precleaning of Cotton

For **Ralf Müller** from the German textile machine manufacturer **Trützschler**, a higher cleaning performance, growing production demands and flexibility of the processing of raw materials are key topics of the spinning preparation of cotton. The removal of coarse contaminations is of particular importance here. For this purpose, Trützschler has developed a new generation of a precleaning aggregate that due to doubled production capacity leads to a reduction of energy consumption and to a significant increase of cleaning efficiency compared with the forerunners. With this, Trützschler wants to make the preliminary stage of the blow room more productive, especially because the processes could be regulated by an electronic waste control system. After all, according to Trützschler, intelligent cleaning can spare the wastage of up to 150 bales of cotton per year if it causes a maximum utilisation of raw material and a minimal loss of good fibres.

## Targeted Raw Material Management Pays off

**Oswald Baldischwieler** from Swiss company **Uster** explains in his speech that in order to reach a consistent quality of cotton products like yarns and fabrics it is necessary to carry out an intensive examination of the cotton fibres in the early stages of production. Uster is a world leader in textile examination and quality control.

For Uster, targeted raw material management is important for the success of a spinning mill because it absorbs the main part of costs for the spinning mill. In most countries, the raw material cotton accounts for more than 60 percent of total yarn production costs. An optimal blending of fibres at the moment of opening the bale is prerequisite for a consistent and long-lasting yarn quality. It is crucial to keep yarn quality variations

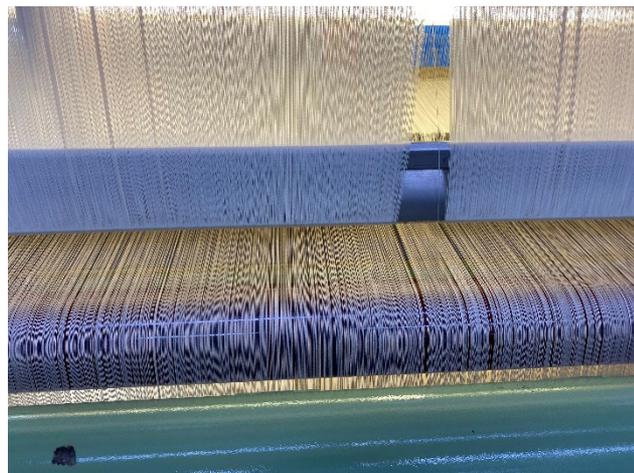
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at a minimum and the quality as constant as possible in the long term. Bail management pays off.

### Spinning Waste Cotton

Rieter AG, Harald Schwipl: The recycling of raw materials has been an increasing trend for several years to achieve more sustainability. In addition to the recycling of chemically or mechanically dissolved raw materials, the recycling of spinning waste is also a possibility to meet the increasing demand for raw material recycling.



Sizing © Bremer Baumwollbörse

For this purpose, carding or blowroom waste is processed. The study shows which adjustments are necessary in the spinning process for recycling. It also shows which spinning units and qualities are possible as a result. The raw material was used to produce a rotor yarn.

### Shortening Production Processes

**Yonathan Sissay** from the **Ethiopian Textile Industry Development Institute**, Addis Ababa, will report on the results of his research. It is about reducing lead times in production processes of clothing from the fabric warehouse and manufacturing to packaging and delivery. In the study, necessary and unnecessary working steps were analysed based on a cause analysis and new process flow charts for economically efficient work were defined following the Pareto principle.

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**Effect of Cotton Short Fiber Content on Drafting Force and its Variability in the Drafting Zone**

These results are relevant for the machine setup. Within his research project, the Pakistani researcher **Quaim Siddiqui** found that the drafting force is the intuitive factor initiated by the dynamic frictional forces between slow moving and fast moving fibers in the drafting zone. According to Siddiqui, the fibre length is one of the most important factors influencing the drafting force and its variability. Using data from the online-draftometer, the scientific study analyses the interaction between the dynamic drafting force and its variability with respect to the short fiber content of carded cotton sliver.

*In Advance:*

**Spinning and Textile Seminar: Expert meeting at the beginning of the cotton conference**



Weaving © Bremer Baumwollbörse

On 28<sup>th</sup> September, that is on the eve of the conference, an exchange among experts will take place under the headline **“Quality Requirements along the Textile Value-Added Chain”**. All textile raw materials will be included here, we are thus going beyond cotton. The Bremen Fibre Institute e. V. (FIBRE), the Bremen Cotton Exchange, the Industrial Association Finishing – Yarns – Fabrics

and Technical Textiles (IVGT) and the International Textiles Manufacturers Federation (ITMF) are inviting to this together.

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## Registration is underway

The starting gun for the registration has been fired: you can register at <https://cotton-conference-bremen.de/> from now on. You will also find regularly updated information there.

We will continually inform about the International Cotton Conference on 29 and 30 September and about the complete programme in the run-up in the form of further press releases as well as target-group-specific newsletters and also via our social media channels.

**Media representatives**, please directly turn to our press contact for **Accreditation**:

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[www.cotton-conference-bremen.de](http://www.cotton-conference-bremen.de)

[www.baumwollboerse.de](http://www.baumwollboerse.de)

Of course, we cordially invite all interested media representatives already now to visit the hybrid edition of the 36<sup>th</sup> International Cotton Conference. We gladly support the choice of suitable interview partners. We appreciate all forms of media coverage even in the run-up to the conference. We are gladly available for further questions and interviews.

Pictures in this press release can be used with naming the source.

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GOOD EARTH COTTON



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**About the Bremen Cotton Exchange**

- Founded in 1872 to strengthen the interests of the cotton trade and consumption in Germany, the Bremen Cotton Exchange has now been in the cotton business for 150 years. As an international court of arbitration, the Bremen Cotton Exchange always stands for neutrality.
- We offer various services to our members. Clear and neutral data and analyses are a part of this.
- As the ICA Bremen, together with the International Cotton Association in Liverpool and in cooperation with the Fibre Institute Bremen, we provide the International Quality Testing and Research Centre in Bremen. The Hanseatic city has now become the international centre for cotton testing and research, quality training and certification.
- We represent our members in all the important international bodies in the cotton world.

**About the Fibre Institute Bremen e. V. (FIBRE)**

- In its 66-years history, the Institute has developed from a cotton testing laboratory into a successful research institute in the fields of future-oriented fibres, technical textiles and fibre composites at the University of Bremen. It deals with basic scientific and application-oriented questions along the entire process chain from fibre production to the manufacturing of fibre composite components and more for the aircraft industry.
- FIBRE's central international importance in cotton is shown by its work on the international harmonisation of cotton testing [e.g. round tests in cooperation with the ICAC and USDA-AMS], its work in central committees [ICAC Committee on Standardised Instrument Testing of Cotton (CSITC), ITMF Cotton Testing].

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