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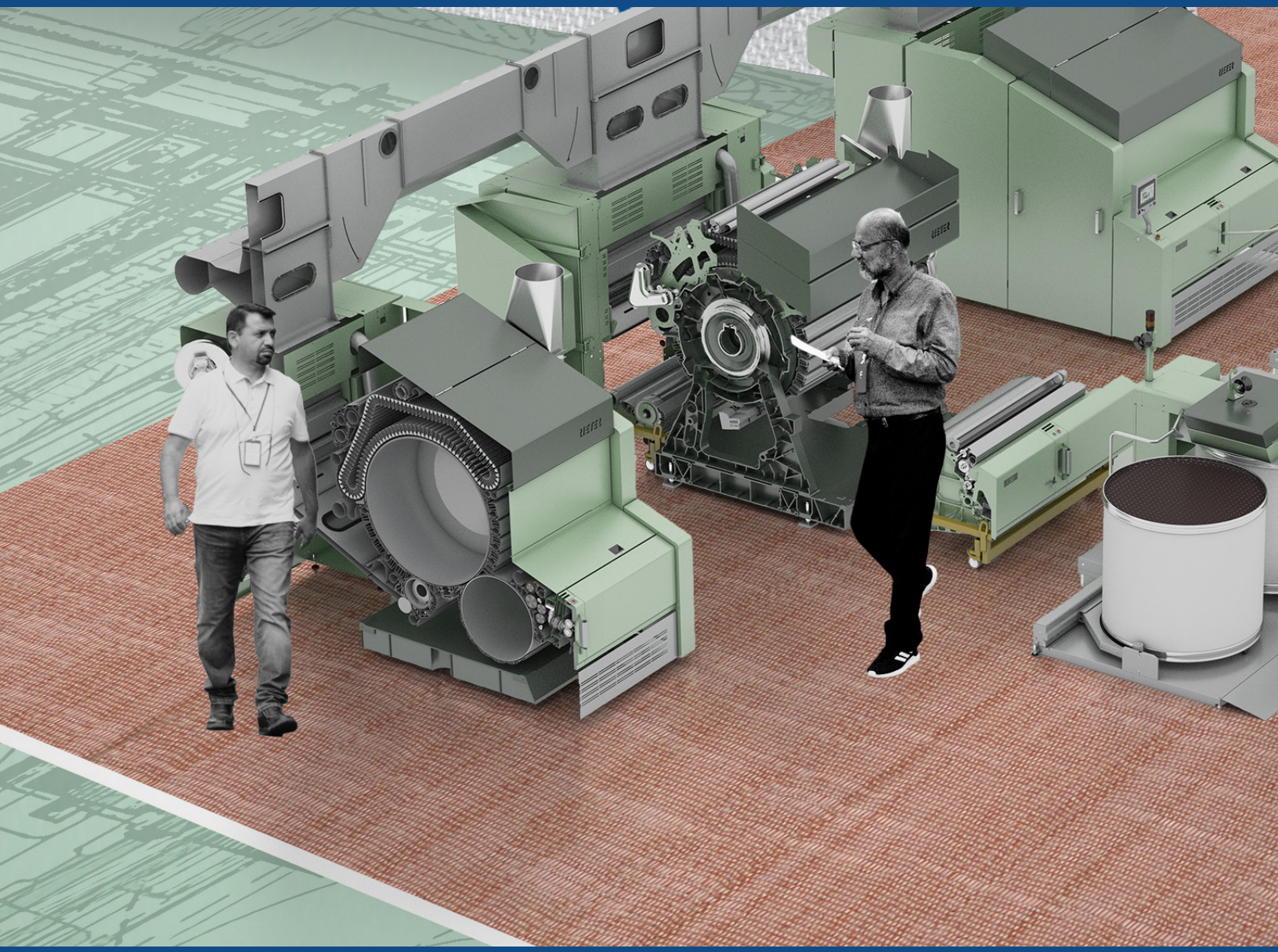
NEW TESTING PROCEDURE AT TURKISH MILL GENERATES EQUIVALENT SAVINGS OF 7 CENTS PER POUND



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In 2019, Dr. Yehia Elmogahzy and David Sasso worked as consultants with a Turkish mill to identify a new laydown strategy. This new strategy generated substantial financial savings and improvements in overall yarn quality and processing performance.

Innovative strategies and solutions like these are critical for the continued success of mills and manufacturers, whether they result in new practices that are cost effective, time- or resource-saving or that improve quality and processing. This is why we developed the new COTTON USA SOLUTIONS®, a complimentary, multi-program consultancy. With COTTON USA SOLUTIONS®, mills and manufacturers can utilize our global network of experts and big data to take their business to the next level through on-site consultations, technical seminars, mill studies and more.

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THE SITUATION

The mill the consultants worked with uses primarily Turkish cotton with U.S. cotton used for certain products and to supplement volumes required throughout the season. They routinely tested every bale of Turkish cotton because of the lack of bale data and tested every bale of U.S. cotton because of a lack of confidence in the USDA information. All of this testing resulted in high inventories and substantial time spent in testing every bale with the in-house HVI equipment.

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IDENTIFIED FLAWS IN THE SYSTEM

There were a number of issues identified by the consultants.

1. Management was not finding U.S. data acceptable

2. Mill was not preconditioning fiber samples before testing

3. In-house HVI data was not reliable

4. Laydown procedure selected bales arbitrarily based on information from the merchant rather than testing

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ACTIONS IMPLEMENTED

The consultants and mill management implemented the following:

1. Simplified a complex bale handling system

2. Made changes in ambient control in storage and the blowroom

3. Completed trial of U.S. bales and proved USDA data was reliable, meaning 100 percent bale testing could be avoided
    a. As a result, they moved to 10 percent testing of U.S. bales

4. Fiber selection strategy based only around Micronaire and +b in three different categories
    a. Allowed for optimum inventory control, leaving no bales in warehouse

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RESULTS OF CHANGES

The actions taken based on the consultants' recommendations generated significant financial savings and improvements in overall yarn quality and processing performance.

1. The new testing procedure – based around the proof of the validity of the USDA data and the opportunity to reduce sampling for testing–generated equivalent savings of 7 cents per pound

2. The mill confirmed that the revised fiber selection procedure will generate a 28 percent reduction in the time and personnel involvement in bale selection

3. The modified bale-laydown procedure resulted in a significant reduction of laydown variation of key parameters necessary for optimum yarn quality and processing

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CONCLUSION

Similar to Dr. Yehia Elmogahzy and David Sasso's findings at the Turkish mill, COTTON USA's team of experts has visited over one hundred mills worldwide, offering our partners something that will truly elevate their business – our COTTON USA SOLUTIONS® program. Learn more here.

To contact a COTTON USA representative for more information about U.S. cotton or to become a COTTON USA licensee, click here.

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AN EVALUATION OF THE DURABILITY ADVANTAGES OF USING U.S. COTTON IN KNIT FABRICS

AN EVALUATION OF THE FIBER PROCESSING ADVANTAGES OF USING U.S. COTTON IN KNITTED FABRIC/GARMENT MANUFACTURING

AN EVALUATION OF THE FINANCIAL ADVANTAGES OF USING U.S. COTTON IN KNITTED FABRIC/GARMENT MANUFACTURING

THE TECHNICAL AND FINANCIAL ADVANTAGES OF USING U.S. COTTON-RICH YARNS IN KNITTED FABRIC AND GARMENT MANUFACTURING