With attention to detail: Discover the finest softness nuances of textiles with the help of the innovative measuring device at the Techtextil Frank-furt/Main

Sustainability is the focus topic at this year´s Techtextil in Frankfurt/Main, and the German manufacturer emtec Electronic is presenting its latest technology for testing haptic textile properties. From April 23rd to 26th, textile and nonwovens experts can be convinced by this innovative testing device in combination with the digital database and minimize their CO2 footprint in the future despite globalization.

The emtec TSA Tactile Sensation Analyzer determines an objective number on the way a fabric subjectively feels to the touch. Combined with the cloud-based Virtual Haptic Library, the results are automatically digitized and categorized, making them accessible and easily searchable worldwide in real time. This enables greater transparency and traceability of the supply chain, but minimizes logistical, environmental and economic costs.

Alexander Gruener, Global Business Development Manager for emtec Electronic, gives an application example about the potential impact of the TSA Tactile Sensation Analyzer and the Virtual Haptic Library on the textile industry´s quality control: “Manufacturers of textile products can use the de-vice to test the quality of their production on a frequent basis. The TSA test data can be transferred to the cloud automatically, if it is used together with the device. The textile producer’s customers can have access to the data at any time

and in case of any quality issues – one or more of the haptic qual-ity parameters is out of specification – the system automatically informs the customer. This creates transparency in the business relationship of textile producer and its customers and allows a quick intervention and reaction, which helps to avoid tons of waste as well as the complete failure of whole collections in the stores."

Beside parameters as softness (coming from the fibers), smoothness (coming from the surface struc-ture) and stretch and recovery (flexibility of the fabric), the emtec TSA objectively and reliably measures further individual components of the touch, such as thermo-haptic, friction, crumple or drape behavior. The results offer unparalleled accuracy in assessing the tactile qualities of textiles, ensuring that manufacturers can meet the highest standards of quality and comfort. Comparisons of results with traditional hand panel testing methods using “touch experts” reveal a correlation of up to 100%.

If this piqued your curiosity, visit the emtec booth F35 in hall 12.0 at Techtextil in Frankfurt/Main, Germany. Stefan Ruebesam (emtec Area Sales Manager), Eric Haagen (emtec Area Sales Manager) and Sandra Vogt (emtec Global Marketing Manager) will be on site to answer all questions, demon-strate the functions of the innovative device, and explain the advantages in combination with the virtual database!