Turning Textile Hand Feel into Measurable Quality

emtec to demonstrate its TSA Tactile Sensation Analyzer at ITMA ASIA + CITME 2026



Textile quality is more than what the eye can see—it is also what the hand can feel. At ITMA ASIA + CITME 2026, emtec Electronic GmbH will demonstrate how its TSA Tactile Sensation Analyzer can translate subjective tactile impressions into reproducible measurement data.

The TSA evaluates key haptic properties of intermediate and finished textile products, including surface softness, smoothness, flexibility and stretch. Using mathematical models, the measured data is converted into a specific hand-feel value. The instrument can also assess deformation and recovery behaviour, with optional evaluation of thermo-haptics and thermal insulation.

By making tactile properties more objective, the TSA supports material comparison, research and development, process monitoring and quality control. Manufacturers and brands can define product-feel requirements more precisely and communicate them across suppliers and production sites. Earlier identification of deviations can help reduce repeated sampling and make development and coordination more efficient.

The system’s cloud-based Virtual Haptic Library adds a digital collaboration dimension. Measurement data can be stored, compared and shared in real time with authorized users worldwide, allowing materials to be catalogued and compared side by side on a common data foundation.

At the exhibition, James Xiang of Impaq Testing Technology Co., Ltd. (Impaq Tech) will present the technology, while Alexander Grüner, Global Business Development Manager at emtec, will be available for technical discussions. The collaboration with Impaq Tech is helping emtec expand its activities in objective haptic measurement in the Asian market.

EXHIBITION DETAILS

Meet the team: 20–24 November 2026 | National Exhibition and Convention Center, Shanghai, China

Website: www.emtec-electronic.de

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