emtec
Innovative Testing Solutions

VIRTUAL HAPTIC LIBRARY

Haptic and optical data automatically digitized and stored in the cloud used for quality assurance and as virtual market place.

TSA | TACTILE SENSATION ANALYZER

An instrument to objectively measure the parameters that determine the overall haptic quality of textiles.

www.emtec-electronic.de

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TSA | TACTILE SENSATION ANALYZER

NEXT GENERATION SOFTNESS MEASUREMENT

Objective measurement of:

- softness
- smoothness
- flexibility + elasticity
- recovery behaviour

= **hand feel calculation is possible**

New:

+ surface thermal conductivity (warm vs. cold handshake)
+ thermal insulation
+ high resolution picture

access to the cloud-based haptic library

new design
new features
- available in 2024!

Some features are associated with extra costs.

VIRTUAL
HAPTIC LIBRARY

CLOUD-BASED HAPTIC QUALITY

The **Tactile Sensation Analyzer** captures the digital haptic parameters of the samples in a fabric library. A user can measure a development sample or use standardized key descriptors to search the database for existing fabric matches, eliminating wasted time due to sample confusion, long shipping routes, unclear descriptions or language barriers.

The **Virtual Haptic Library** enables brands to communicate numeric haptic specifications and mills to verify compliance for each fabric without shipping samples around the world. Samples can be compared to a "digital standard" and objectively QC'ed for acceptability.

The cloud-based haptic library:

- improves supply chain communication
- accelerates fabric development
- assures product quality
- reduces courier costs required to send development samples
- reduces the environmental footprint

Development of the Virtual Haptic Library in cooperation with Black Swan Textiles.

TSA | TACTILE SENSATION ANALYZER

TECHNICAL DATA

device dimensions	40.3 x 18 x 35.5 cm (H x W x D)
device weight	approx. 15 kg
power supply	100-240 V AC, 50/60 Hz
standard sample dimension	⌀ 11.28 cm = 100 cm^2
materials	base and finished products of nonwovens and textiles, even material of unusual shape

SOFTWARE

Emtec Measurement System EMS

& access to the Virtual Haptic Library via a license

RIFERIMENTO PER L'ITALIA

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