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TACTILE SENSATION

### 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  $\varnothing$  11.28 cm = 100 cm<sup>2</sup>

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

M

The TSA measuring instrument and measuring method are internationally patented and protected.





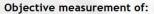
## NEXT GENERATION

### SOFTNESS MEASUREMENT



## **CLOUD-BASED**

# **HAPTIC QUALITY**



- softness
- smoothness
- · flexibility + elasticity
- · recovery behaviour
- = hand feel calculation is possible

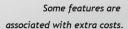
#### New:

- + 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!





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.

