

## RoughTec – Surface-Touch-Tester

### Advantages

Measurement of the surface texture under load conditions

Use in a stand-alone operation or combined measurement

Easy handling via touch panel PC

Individual parameter settings

Changeability of the probe head tool

Adjustable measuring direction in 30° steps

Data acquisition in the measuring device

Data exchange by USB, Ethernet and serial interface RS-232

Visualized measured results and curves

### Technical data

**Measuring range (height):**  
+/- 2000 µm

**Maximum resolution (height):**  
1 µm

**Measuring range (path):**  
40 mm

**Maximum resolution (path):**  
1 µm

**Supply voltage:**  
230 VAC

**Supply frequency:**  
50-60 Hz

**Data format:**  
XML

**Maximum power consumption:**  
58 W

**Total weight:**  
44 kg

**Dimensions in mm:**  
W 553, D 506, H 261

### Application

Relevant aspects that a person senses by touching and feeling of the material surfaces can be reproduced through the surface touch tester. The measuring method can be repeatedly produced under laboratory conditions. Thereby it is possible to include and to objectify characteristics and material properties of a technical “feel” into the process of selection and assessment of materials and surfaces.

The measuring method is suitable for material samples with or without coating, for example leather, synthetic leather, plastics, composite materials, rubber, textiles, paper etc.



### Optional add-ons

The surface touch tester can be integrated into a haptic central system to consolidate the measurement results.

A 2D barcode reader can be connected to collect probe data efficiently.

### Measurement analysis

Form

Density

Structure depth

Contact surfaces

Difference in height

Difference in direction

Regularity of structure

Changing of test parameters under load conditions

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