

TACTILE FEELING TESTER

Turning “pleasant to the touch” into numbers.

Simply trace the sample with a real human finger. Sliminess, smoothness and skin-feel are quantified as force data in the X, Y and Z directions.

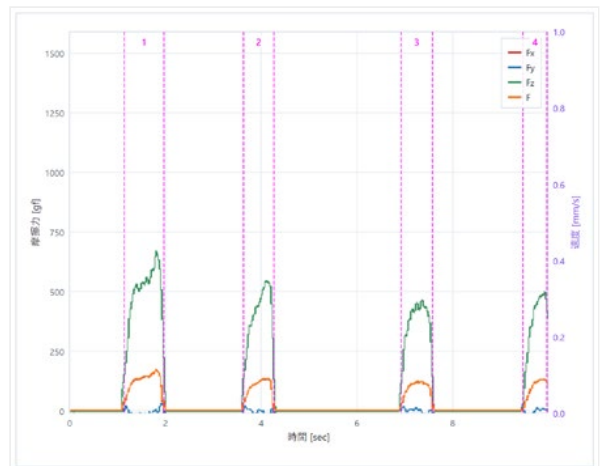
MEASUREMENT SCENE



Just trace with a finger

3-AXIS FORCE

X·Y·Z while tracing with a finger



Co-developed with Shiseido Co., Ltd.

Also used in academic work: “Current Status of Research on Hair Tribology and Tactile Perception”

01 These sensations become numbers

COSMETICS

Sliminess & blend-in

Track how creams and gels slip and blend into the skin

MATERIAL

Texture & feel

Quantify the slip feel of cosmetic paper, nonwovens and fabrics

WRITING

Writing comfort

Evaluate resistance and pressure when using pens and erasers

HANDY

Large / fixed objects

The handy probe also covers molded parts and painted surfaces

3 axes × real finger × sensory evaluation

Share the differences in how things “feel” as data across your development team.

X / Y / Z

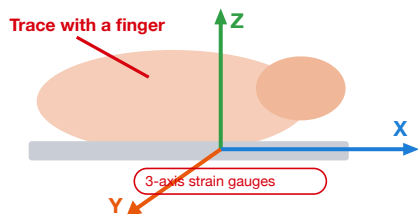
0–20 N each axis

Human sensation, straight into 3-axis data.

The resistance felt at the fingertip is resolved into X, Y and Z components and matched against sensory evaluation.

MEASUREMENT PRINCIPLE

What a person feels, as force data.



Correlating with sensory evaluation

Because measurement is done on real skin with a real finger, the resistance a panelist feels is digitized as it is. Match sensory scores against force data to compare formulations, materials and surface finishes.

A real finger

Forces in 3 directions

02 What it can do

01

Sliminess & blend-in

Evaluate "how quickly it blends in" from the change in resistance over repeated strokes.

02

Texture & feel

Quantify the slip of paper, cloth and molded parts with an actual finger.

03

Writing comfort

Write on real paper and evaluate the feel and pressure in use.

03 Works with samples that cannot be cut out

With the handy probe, samples that are difficult to cut out — or that must stay in place — can also be measured.



Main specifications

Measuring range	0–20 N (X·Y·Z each)
Sample table	100 × 100 mm
Measuring unit	W200 × D200 × H95 mm
Amplifier unit	W160 × D275 × H327 mm
Power supply	AC100V 50/60Hz
Options	TriboTouch / handy probe

Dedicated analysis software **TriboTouch** * Optional

First, try it with your own samples.

Demo tests, contract testing and model-selection consulting are available.

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Product page



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