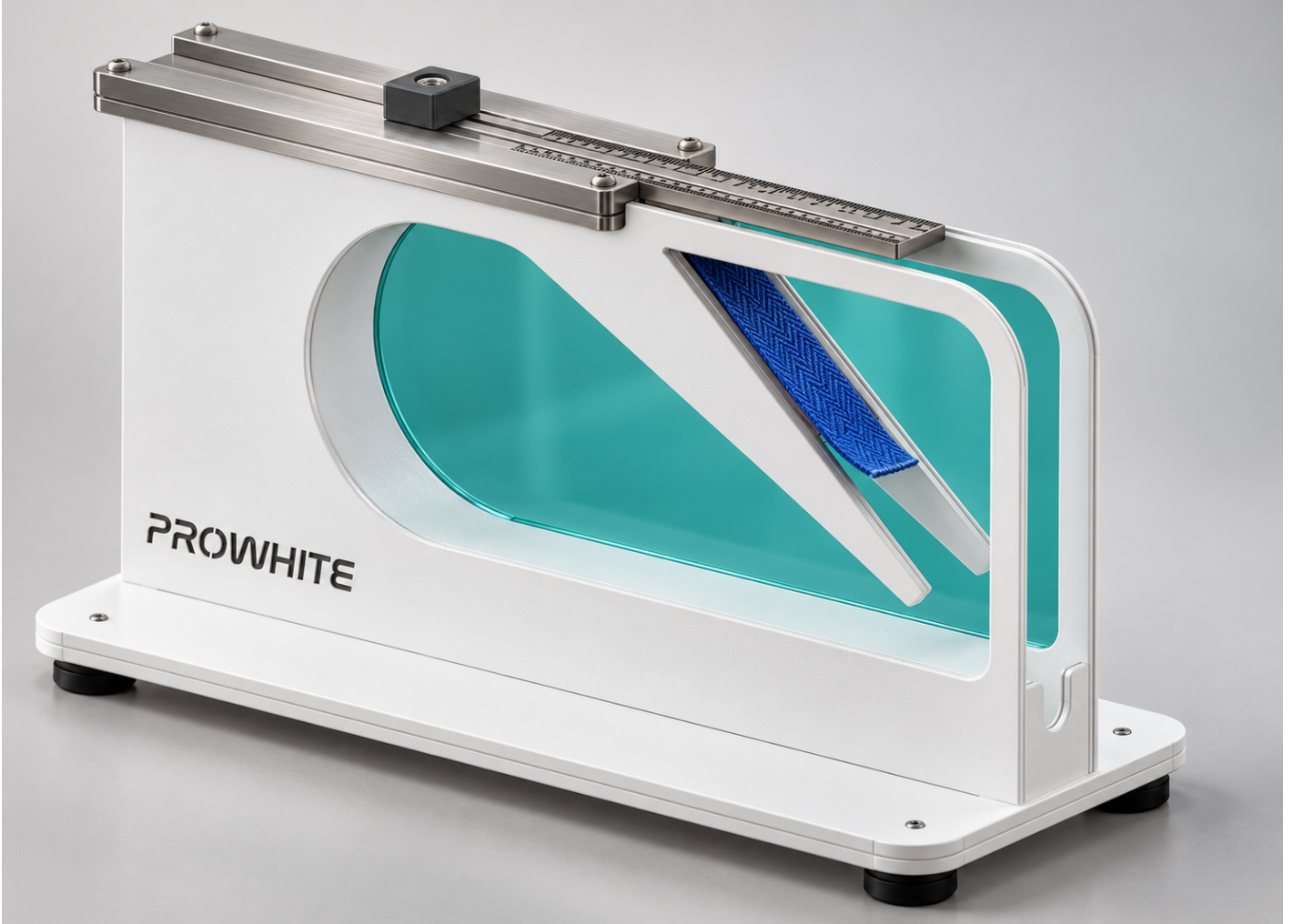


FABRIC BENDING STIFFNESS TESTER

Cantilever evaluation of fabric bending length and stiffness



Precise evaluation of fabric bending behaviour

Bench-top laboratory instrument for controlled cantilever evaluation of flexible textile specimens.

ASTM D1388 | BS 3356 | DIN 53362 | ERT 50-2

PRODUCT OVERVIEW

PROWHITE Fabric Bending Stiffness Tester evaluates the bending behaviour of textile specimens as the free end deflects under its own mass to the 41.5° reference angle. The cantilever principle supports comparison of handle, drape and stiffness characteristics.

OPERATING PRINCIPLE

- 1 Place the specimen at its starting position on the test surface.
- 2 Advance the specimen in a controlled manner using the sliding mechanism.
- 3 Read the bending length when the free end reaches the 41.5° reference line.
- 4 Evaluate results using the calculation and reporting procedure of the relevant standard.

KEY FEATURES

- 41.5° reference-angle cantilever geometry
- 304 stainless-steel sliding unit and marked scale
- Compact bench-top laboratory construction
- High-visibility rear mirror panel
- Comparative assessment across fabric types

APPLICABLE TEST METHODS

- ASTM D1388**
Cantilever method for fabric stiffness
- BS 3356**
Fabric bending length and stiffness evaluation
- DIN 53362**
Bending behaviour of flexible sheet materials
- ERT 50-2**
Relevant bending-behaviour procedure

TECHNICAL SPECIFICATIONS

Test principle	Cantilever / fixed-angle bending evaluation
Reference angle	41.5°
Reading system	Mechanically marked scale
Slide and scale	304 stainless steel
Body	White powder-coated metal construction
Rear panel	Turquoise acrylic mirror, rear-mounted
Operation	Manual bench-top laboratory instrument