

No.2048-BF

## Bending stiffness tester

Bending resistance is a measure of the stiffness. Like the Taber stiffness tester, this tester measures the force necessary for bending the specimen to the specified angle. With the Taber tester, flexural loads are given by a pendulum held vertically to determine the bending moment. With the bending stiffness tester, one end of the specimen is held horizontally to form a cantilever beam. A knife edge directly connected with a load cell is made to contact the other end of the specimen. The specimen is made to rotate at a constant speed. When the specimen is bent to the specified angle, the load is detected by the load cell to be displayed.

**Measurement range:** 0 to 5000mN (equivalent to about 25000mN of Taber stiffness)

**Specimen size:** 38mm wide, up to 4mm thick

**Span:** 50mm

**Bending angle:** 5°, 7.5°, 15°, 20°, 25°, 30°, selectable by the selection switch, typically 15°

**Bending speed:** chuck rotation speed 5° /second

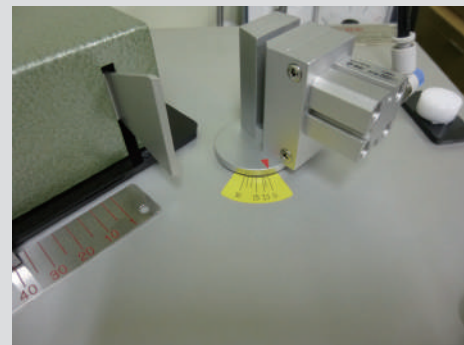
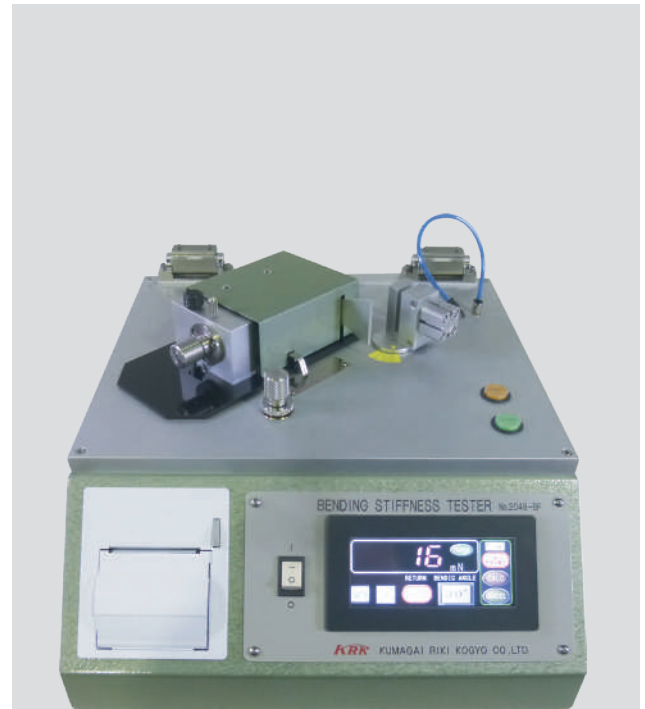
**Automatic resetting:** The chuck automatically returns to the initial position after bending of the specimen to the specified angle

**Referential standards:** ISO 2493 SCAN P-29, TAPPI T556pm-95

**Power source:** 100/110VAC 50/60Hz 1A

**Outer dimensions:** 360 x 400 x 270mm

**Instrument weight:** 17kg



Measuring part



Cover (option)