

# Stiffness Tester 150-B

**TABER**<sup>®</sup>  
INDUSTRIES  
ISO 9001:2000 CERTIFIED

Flexibility and Bending Resiliency Testing

## Precision instrument evaluates material stiffness.

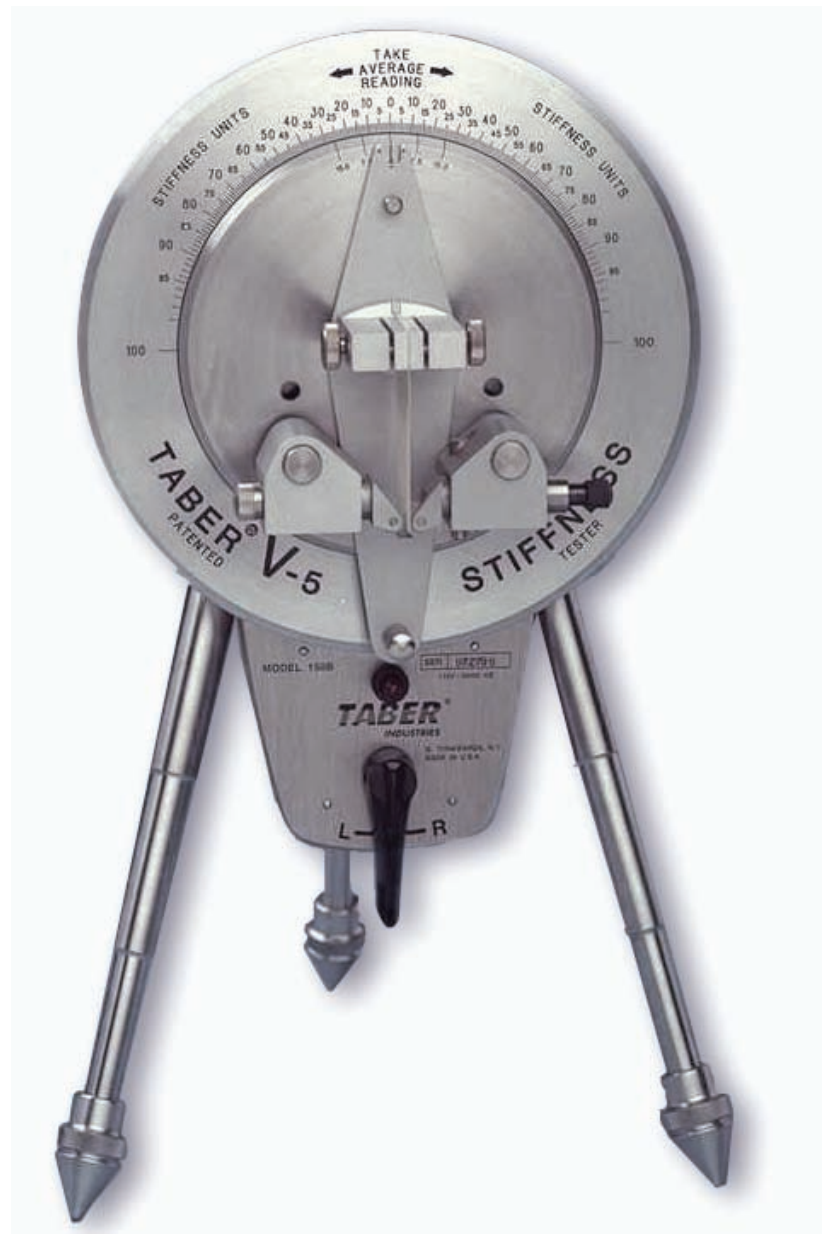
The Taber Stiffness Tester utilizes a two directional pendulum-type weighing system to evaluate material stiffness, flexural strength, resiliency and elasticity properties. Force is applied to the lower end of the specimen by a pair of rollers attached to the driving disc. The resulting torque tilts the pendulum from its vertical position and a Taber Stiffness Unit reading ( $g \cdot cm$ ) is taken when the pendulum mark aligns with the appropriate driving disc mark ( $7\frac{1}{2}^\circ$  or  $15^\circ$ ). Predetermined sample length, deflection angle and rate of loading provide accurate and reproducible test results.

## Established tester offers durable construction.

Based on the original Taber Stiffness Tester, Model 150-B offers telescoping tripod legs which make this instrument lightweight and portable. Operated manually by a lever control switch, a robust housing protects the electrical components. The new ratchet stop roller significantly reduces specimen mounting variability.

## Test a wide range of products.

Nine distinct setups permit the testing of very delicate to extremely rigid materials. Taber Stiffness Testers will evaluate paper, foil, light metallic sheet, laminated plastic, cardboard, wire, and other flexible materials up to 5.5mm (0.219 inches) thick that do not exceed 10,000 Taber Stiffness Units.



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## Standard Features:

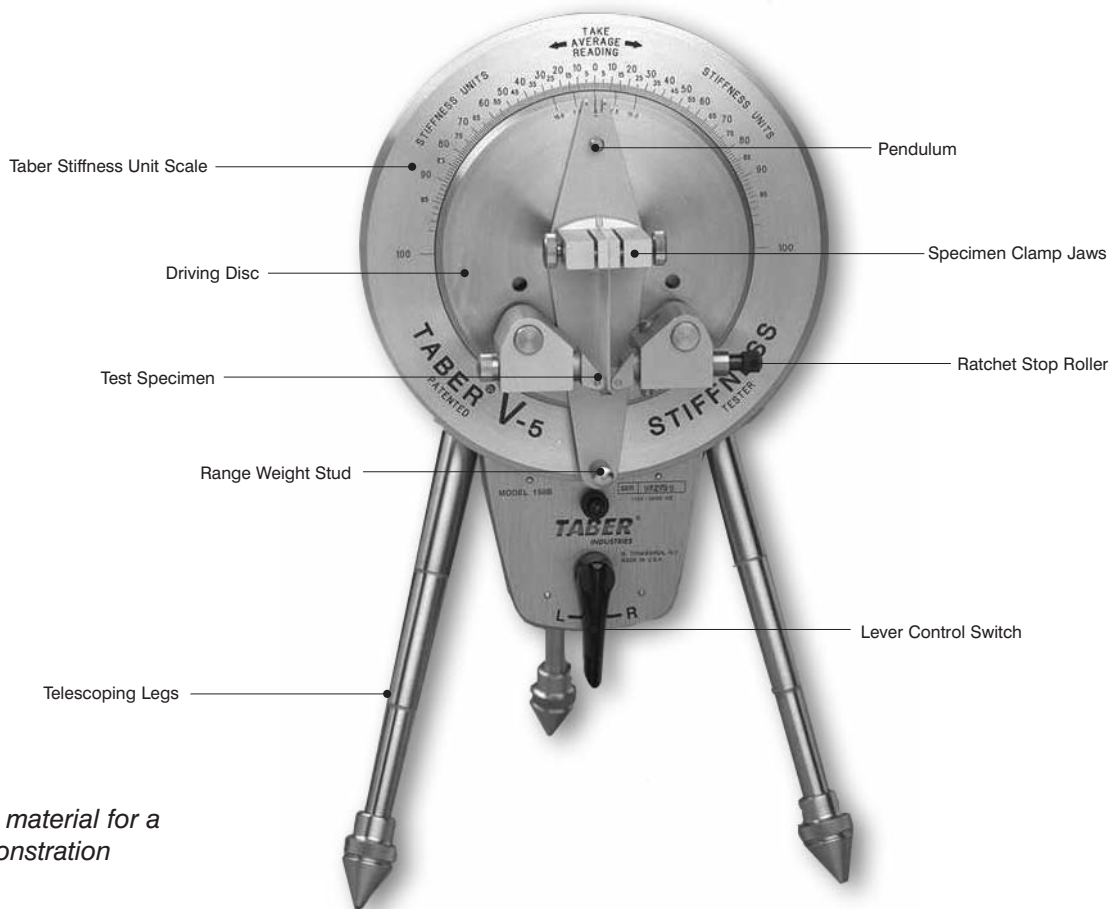
Factory calibrated to accuracy of  $\pm 1\%$  full scale  
Telescoping, tripod base  
Ratchet stop roller  
Constant speed motor  
Dynamic brake holds pendulum at the deflection  
Range weights to test most products

## Optional Accessories:

High Sensitivity Attachment  
Triple Cut Specimen Shear  
Calibration Specimens  
Auxiliary Range Weight Set (3000 and 5000 units)  
Wire/Tube Testing Apparatus  
Step-Down Transformer (required for 220V operation)

## Stiffness Tester Includes:

Compensator Range Weight  
Range Weight (500, 1000 and 2000 units)  
Range Weight Case  
Calibration Specimen



Send us your material for a product demonstration

**TABER**  
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