

Shear/Scratch Tester 550/551



Surface Finish Testing

Precision instrument measures damage to surfaces not classified as ordinary wear.

Using interchangeable tools, the Taber Shear / Scratch Tester is used to measure the susceptibility of material surfaces to scratching, marring, shearing, gouging, scraping, engraving, and other similar physical damage not classified as ordinary wear.

Established tester can be used in diverse applications.

Useful in quality control as well as materials and product development, the applications are diverse. The Shear / Scratch Tester is ideal for evaluating adhesive qualities of surface coatings, detecting the lack of homogeneity in comparative materials, rating similar or competitive materials, or analyzing the effects of age under controlled environmental conditions.

Test a wide range of products.

Precision, calibrated weights provide a flexible testing range for a variety of products. The Shear / Scratch Tester can test rigid organic materials, adhesive coatings, paints, powder coatings, anodized materials, soft metals, synthetics, linoleum, laminates, plastics, glass, plus many others.




Shown with S-20 Contour Shear Tool

Shear/Scratch Tester 550/551

Surface Finish Testing

Available In Two Models:

- Model 550 - 115V, 60Hz
- Turntable speed 0.5 rpm
 - Conical diamond tool with 90°, 3 mil radius point
- Model 551 - 230V, 50Hz 
- Turntable speed 5 rpm
 - Conical diamond tool with 90°, 3.5 mil radius point

Standard Features:

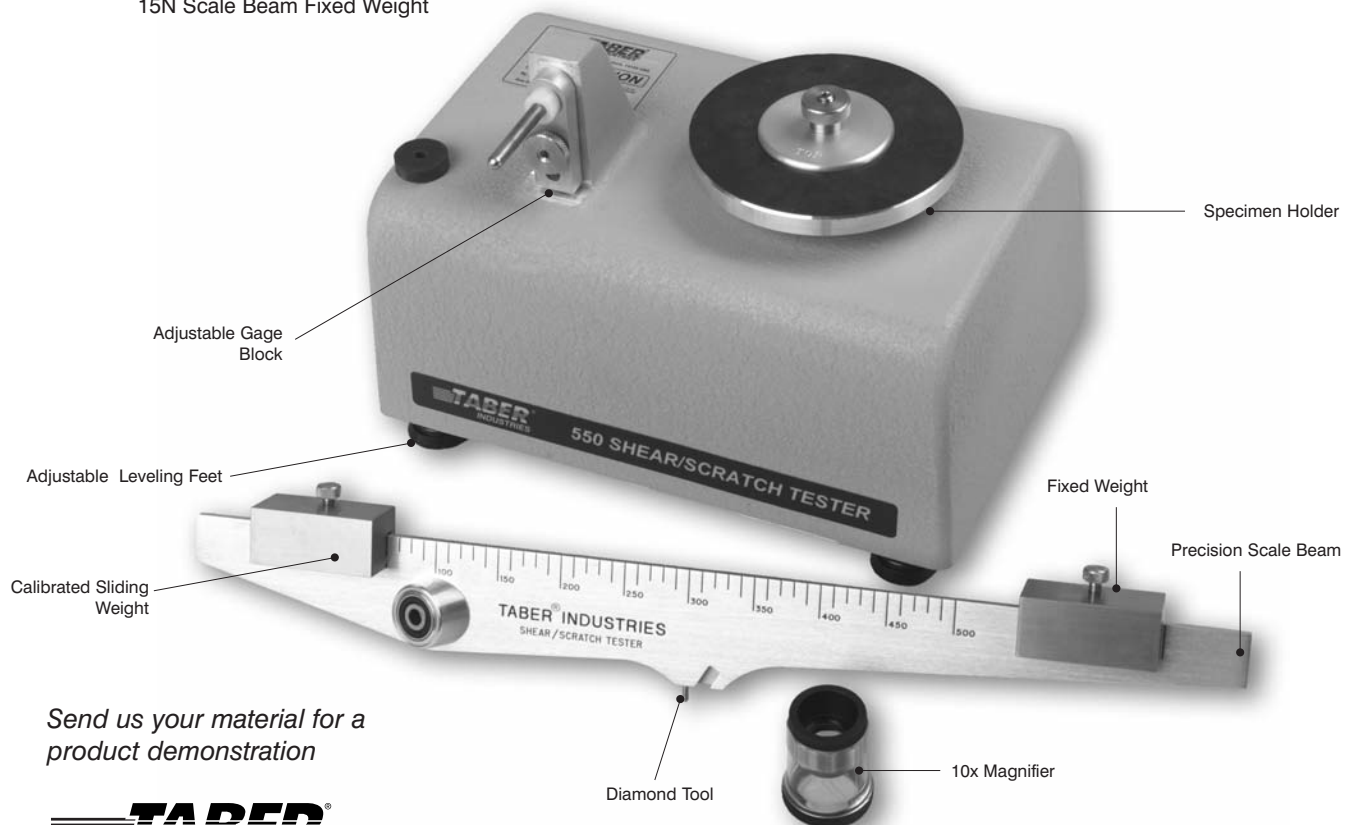
- Constant speed motor
- Balanced, calibrated scale beam
- Variable load from 0 - 1000 grams
- Adjustable gage block tests up to 1/2" (12.5mm) thick specimens
- Soft touch ON/OFF switch
- Interchangeable tools

Optional Accessories (sold separately):

- Contour Shear Tool (Honda and Toyota requirements)
- Diamond Scratch Tool (converging point 3 sides of cube)
- Scratch Tip, 1.0 mm diameter hemisphere
- Diamond Standardization Plates
- Scale Beam Height Extension Kit
- 15N Scale Beam Fixed Weight

Shear / Scratch Tester Includes:

- 500 Gram Calibrated Weight (2 each)
- S-20 Precision Ground Tungsten Carbide Tool
- Conical Diamond Tool
- 10x Measuring Magnifier
- Spirit Bubble Level
- Hex Wrench



Send us your material for a product demonstration

TABER
INDUSTRIES

Setting the Industry Standard

455 Bryant Street
North Tonawanda, New York 14120 USA

For more information:
Call 1.800.333.5300 (U.S.) or 716.694.4000 (outside U.S.)
Fax 716.694.1450
Email us at sales@taberindustries.com
Visit us at www.taberindustries.com