

# Shear/Scratch Tester 550/551

**TABER**  
INDUSTRIES  
ISO 9001:2000 CERTIFIED

## Surface Finish Testing

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

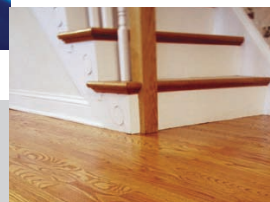
Using interchangeable tools, the Taber Shear / Scratch Tester is used to measure the susceptibility of material surfaces to scratching, marring, shearing, gouging, scraping, engraving, and other similar physical damage not classified as ordinary wear.

### **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:

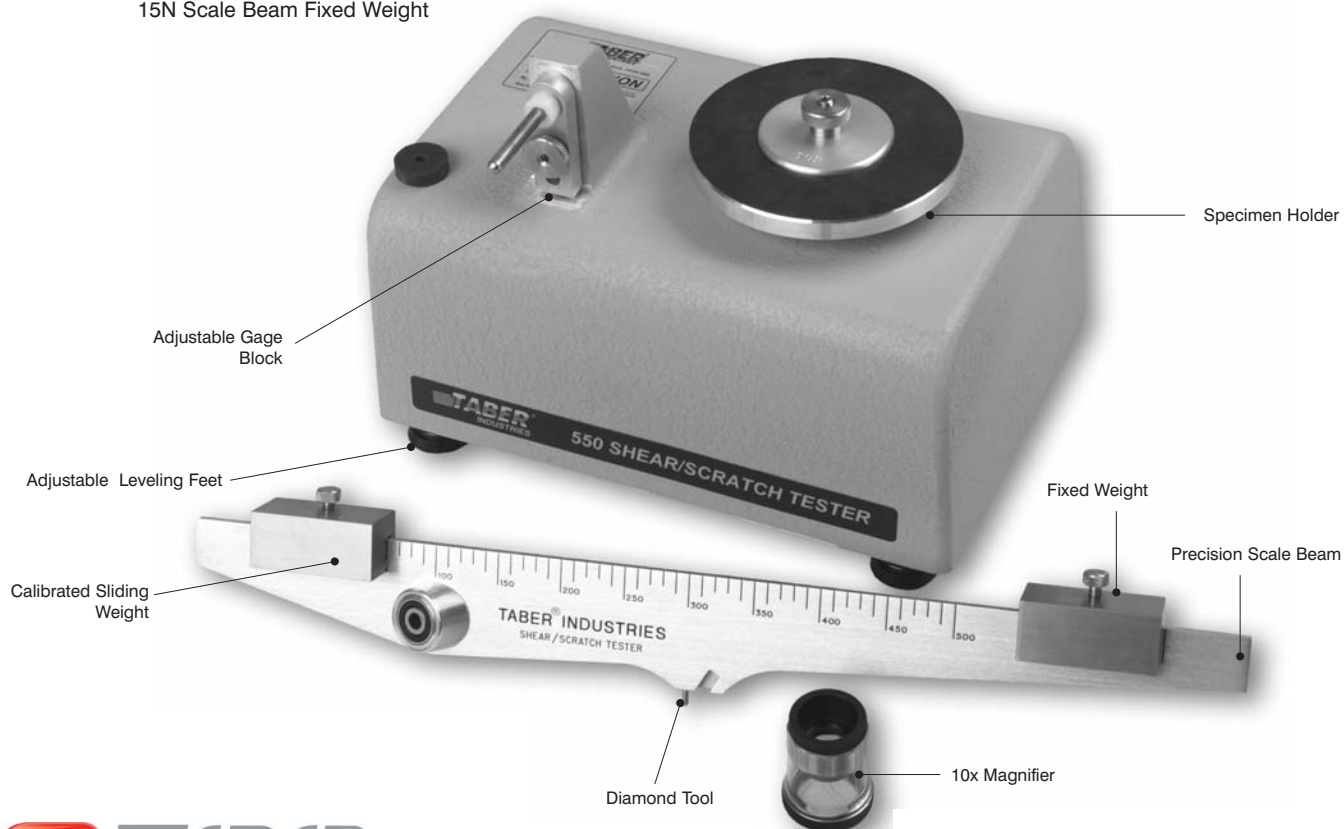
Constant speed motor  
Balanced, calibrated scale beam  
Variable load from 0 - 1000 grams  
Adjustable gage block tests up to 1/2" (12.5mm) thick specimens  
Soft touch ON/OFF switch  
Interchangeable tools

### 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



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