

# Multi-Finger Scratch/Mar Tester 710

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

## Surface Finish Testing

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

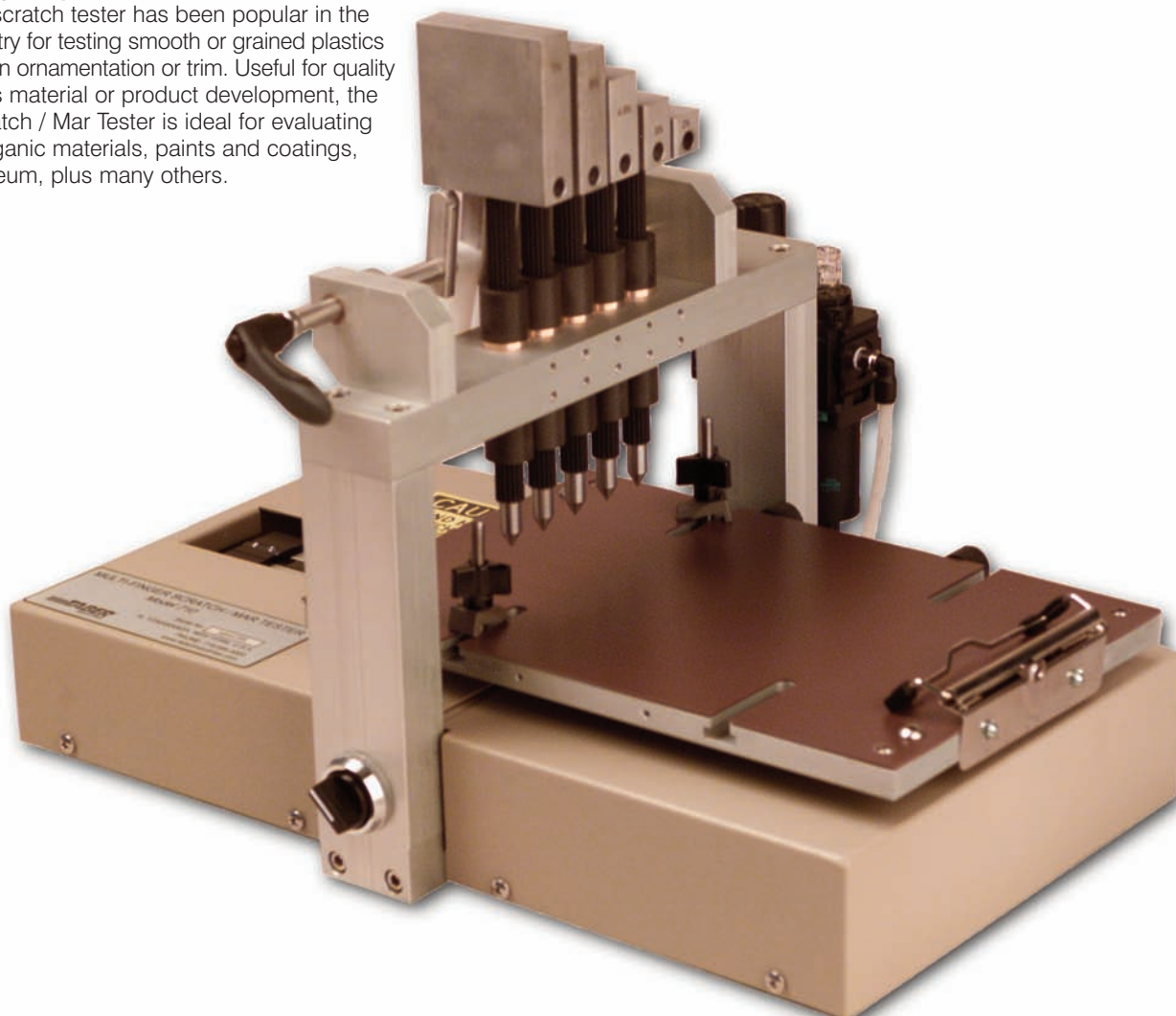
Using precision tips, the Taber Multi-Finger Scratch/Mar Tester is used to measure the susceptibility of material surfaces to scratching, marring, gouging, and other similar physical damage not classified as ordinary wear.

### **Design based on five-finger scratching device described in automotive specifications.**

Specimens are secured to a pneumatically driven platform. Five independent spline-shaft fingers with varying weights exert a constant, vertical load on the test specimen as it travels under interchangeable scratch tips. Spline-shaft fingers are mounted on a rigid gantry platform. Support rests allow the operator to secure individual shafts in a rest position, permitting the testing of non-standard width samples.

### **Test a wide range of products.**

The 'five-finger' scratch tester has been popular in the automotive industry for testing smooth or grained plastics commonly used in ornamentation or trim. Useful for quality control as well as material or product development, the Multi-Finger Scratch / Mar Tester is ideal for evaluating plastics, rigid organic materials, paints and coatings, soft metals, linoleum, plus many others.



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## Surface Finish Testing

### Standard Features:

Pneumatically driven, moveable platform  
Control knob operation  
Five independent spline-shaft fingers with support rest  
9-piece weight set (2N, 3N, 4.5N, 5N, 6N, 7N, 10N, 15N, 20N)  
"Gripping" spring clamp specimen hold-down  
Replaceable specimen platform protective guard  
Electronic timer accurate to 1/100 second  
Air regulator control with built-in lubricator

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### Interchangeable Tools:

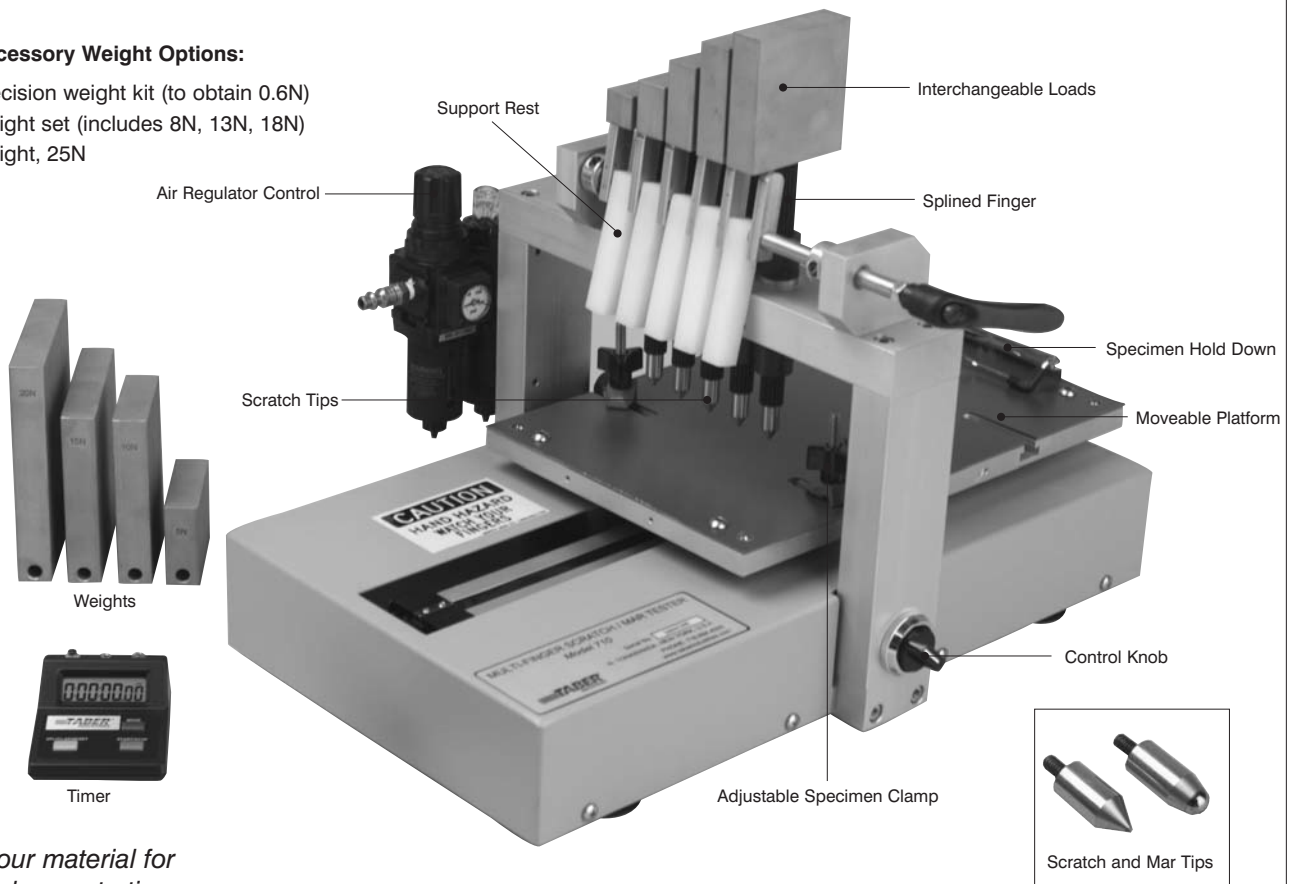
1.0 mm Tungsten Carbide Ball Scratch Tip  
7.0 mm Tungsten Carbide Ball Mar Tip  
Conical Scratch Tips (sold separately)  
Diamond Tool Holder (sold separately)

### Accessory Weight Options:

Precision weight kit (to obtain 0.6N)  
Weight set (includes 8N, 13N, 18N)  
Weight, 25N

### Multi-Finger Scratch/Mar Tester Includes:

Spline Shaft Finger Assembly (5 each)  
Scratch Tip, 1.0 mm Diameter Hemisphere (5 each)  
Mar Tip, 7.0 mm Diameter Hemisphere (5 each)  
9-Piece Weight Set  
Electronic Timer with Digital Display  
Adjustable Specimen Clamp (set of 2)  
Quick Disconnect Socket for Air Supply  
Hex Wrench



Send us your material for  
a product demonstration

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