

# Taber® Rotary Abraser 5135/5155

**TABER**  
INDUSTRIES  
ISO 9001:2000 CERTIFIED

## Wear and Abrasion Testing

### Taber abrading wheels produce characteristic rub wear action.

Mounted to a rotating turntable, specimens are subjected to the rub-wear action of two abrasive wheels. Driven by the test sample, the wheels produce abrasion marks that form a pattern of crossed arcs over a circular ring approximately 30 square centimeters. This reveals abrasion resistance at all angles relative to the weave or grain of the material.

### Referenced in numerous international test standards and specifications.

Simple to operate, this instrument has been accepted worldwide as a standard for wear and abrasion research, quality and process control, materials evaluation, and product development. Taber Rotary Abrasers are capable of providing reliable data in a matter of minutes, compared to the years that may be required with in-use testing.

### Test a wide range of products.

The Taber Abraser can be used to test virtually any flat specimen. Its field of application has included tests of: painted, lacquered, powder coated, and electroplated surfaces; textile fabrics ranging from sheer silks to heavy upholstery and carpeting; and solid materials such as metals, stone and ceramics. Other materials include paper, glass, plastics, leather, rubber, linoleum, laminates, plus many others.



Model 5155 Shown

# Taber® Rotary Abraser 5135/5155

Wear and Abrasion Testing

#### Available in Two Versions:

Model 5135 Single Platform Abraser  
Model 5155 Dual Platform Abraser  
115/230V, 60/50Hz

#### Standard Features:

Platform speeds 60 and 72 rpm  
Quick Release Wheel Hub  
Balanced, calibrated arms and wheel mounts  
Vacuum system with precision height adjustment  
Rugged aluminum housing  
Membrane control panel with digital display  
Precision stainless steel weights  
Accessory electrical receptacle

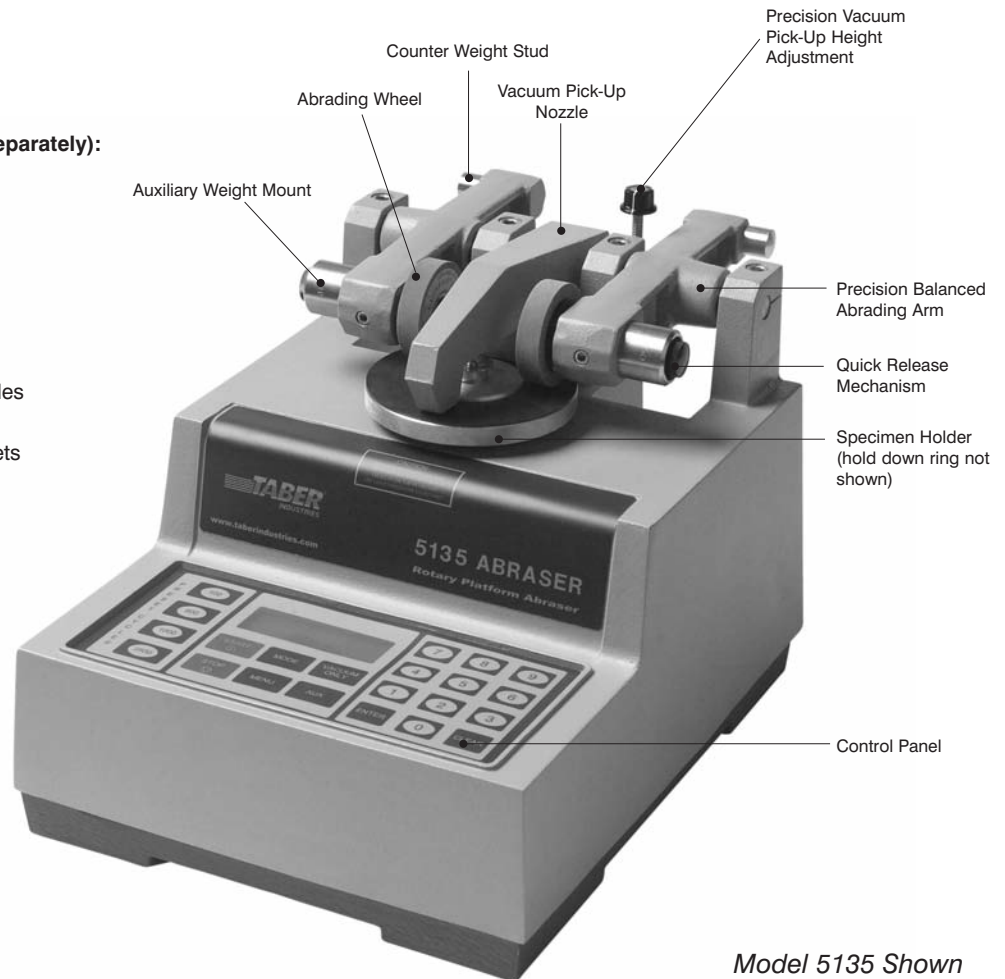


#### Optional Accessories (sold separately):

Calibration / Verification Kit  
Sample Cutter  
Wheel Refacer  
Quiet Cabinet  
Grit Feeder  
Scuffing Head Attachment  
Multi-Media Attachment  
Interchangeable Specimen Tables  
Arm Height Extension Kit  
Selection of Abrading Wheel Sets  
Test Accessories  
Haze Kit

#### Taber Rotary Abraser Includes:

Auxiliary Weights 500g load & 1000g load  
Specimen Holder (E100-125)  
Hold Down Ring (E-100-101)  
Refacing Discs (S-11)  
Specimen Mounting Card Sample Package (S-36)  
Calibrade® Abrading Wheel Set (CS-10)  
Calibrade® Abrading Wheel Set (H-18)  
Vacuum Unit with Suction Hose & Round Brush



Send us your materials for  
a product demonstration

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WWW.TQC.EU

TQC B.V.  
Molenbaan 19  
2908 LL Capelle a/d IJssel  
The Netherlands

+31 10 7900100  
+31 10 7900129  
@ info@tqc.eu  
www.tqc.eu

# Multi-Media Abraser 5500

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Particle Abrasivity Testing Attachment

## Simple, accurate abrasivity testing for fluids, powders and semi-solids.

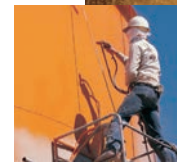
The Multi-Media Abraser provides a flexible tester for measuring abrasivity of virtually all fluids and powders used in today's manufacturing processes. Applications include paints, pigments, adhesives, sealants, epoxies, pastes, detergents and industrial additives.

## Recreates wear conditions for your application.

Able to recreate actual wear conditions, the Multi-Media Abraser allows testing on all contact surfaces in application equipment, including rods, cylinders, nozzles, gears and other moving parts.

## Works with all standard Taber Abrasers.

The Multi-Media Abraser is available as a separate attachment or pre-mounted on a single or dual Taber abramer.



# Multi-Media Abraser 5500

## Particle Abrasivity Testing Attachment

### Standard Features:

- Adjustable gearbox offers two standard drive ratios for testing a wide variety of media
- Variable load from 250-2500 grams in 250 gram increments
- Customizing tests is easy by replacing the universal wear disc or brass pin holder with your own material
- Easily attaches to Taber Abraser 5130/5131 or 5150/5151

### Options:

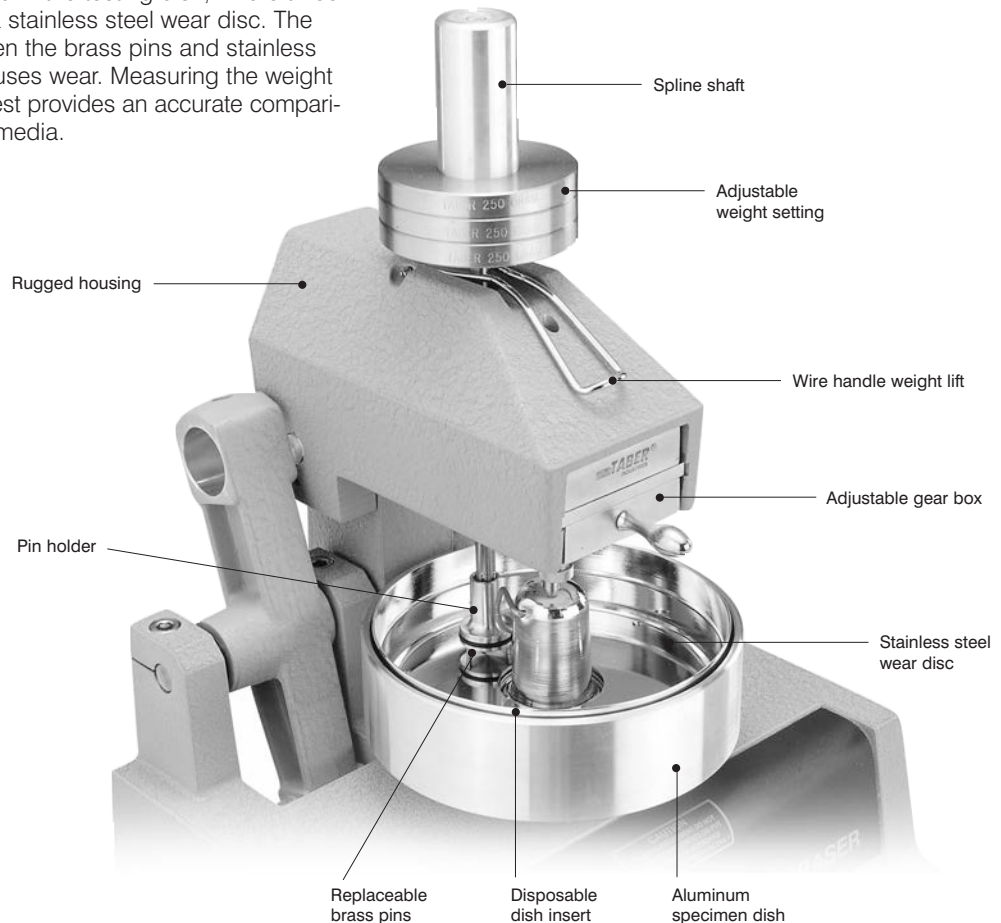
- Heated table option for simulating a wider variety of application conditions
- Optional Hi/Low gear set provides greater testing flexibility

### Multi-Media Abraser Attachment Includes:

- Wear Discs (3 ea.)
- 250 gram Weights (3 ea.)
- Brass Pins (pkg. 60)
- Plastic Insert Dish (3 ea.)
- Dish Cover
- Spill Tray
- Disc Removal Tool
- 5/32 Hex Wrench

### Proven weight loss testing method.

The medium to be tested is placed in the testing dish, where three brass pins rotate in contact with a stainless steel wear disc. The powder, fluid or semi-solid between the brass pins and stainless steel acts as the abrasive and causes wear. Measuring the weight loss of the brass pins after each test provides an accurate comparison of abrasion rates of different media.



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Setting the Industry Standard

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Molenbaan 19  
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+31 10 7900100  
+31 10 7900129  
@ info@tqc.eu  
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