

Taber Wear and Abrasion Tester

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.



Taber Wear and Abrasion Tester

Available in Two Versions:

M270 Single Platform Abraser Model
M270A 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



Optional Accessories (sold separately):

Calibration / Verification Kit
Sample Cutter
Wheel Refacer
Quiet Cabinet
Grit Feeder
Scuffing Head Attachment
Multi-Media Attachment
Interchangeable Specimen Tables
S-21 Extension Nut (*specimen thickness 1/4" to 1/2"*)
Arm Height Extension Kit
(*specimen thickness up to 40mm*)
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)
Calibrase® Abrading Wheel Set (CS-10)
Calibrade® Abrading Wheel Set (H-18)
Vacuum Unit with Suction Hose & Round Brush



M270A