

Taber Linear Abraser



Engineered to test either contoured or flat surfaces, the Linear Abraser is ideal to evaluate finished products of various sizes. Attached to the end of the arm is a precision bearing spline shaft that creates a 'free-floating' test system and permits vertical movement. The test attachment is affixed to the bottom of the spline shaft and a weight support is mounted to the top to allow for different applied loads. As the horizontal arm reciprocates back and forth in a linear motion, the test system raises or lowers vertically as the test attachment follows the contours of the specimen. To expand the versatility of this instrument, the Linear Abraser can be configured with optional test attachments to evaluate the relative resistance of a material's surface to damage such as wear and abrasion, scratch, gouge, scrape, rub, crocking, plus others. The Linear Abraser can be used for both wet and dry testing.

Standard features

- ▶ LCD operator touch screen interface with selectable display options
- ▶ Eleven standard stroke lengths from 0,2 to 0,4 inch
- ▶ Variable stroke speed from 2 to 75 cycles per minute
- ▶ Variable load from 350 to 2400 gram with optional auxiliary weight discs
- ▶ Laser alignment guide for accurate specimen positioning
- ▶ Display test cycles or strokes
- ▶ Safety switch stops test when lid is raised
- ▶ Home feature for ease of set-up





VERSATILE TESTING WITH A SINGLE, RUGGED, DURABLE INSTRUMENT

The Linear Abraser allows selectable test parameters such as speed, stroke length and test load. With a full offering of optional test attachments, auxiliary weights, and standardized abrasants, the Linear Abraser can also be used to perform crock, rub, scuff, steel wool abrasion, scratch, mar, scrape, gouge and other types of physical property testing. An optional T-Slot Specimen Table is available to secure most test specimens.

MAINTAIN CONSISTENT TESTING STANDARDS WITH TABER ABRASIVES

Perform abrasion tests utilizing standardized Taber abrasants. Consisting of the same high-quality abrasive media found in our world-famous abrasive wheels, the Taber Wearaser® is available in formulations that generate slight to extreme abrasion. Other standardized abrasives are also available such as crocking cloth, H1 felt, steel wool, Scotch-Brite™ and sandpaper.



TABER LINEAR ABRASER INCLUDES:

- ▶ Wearaser Collet Kit, Stainless Steel
- ▶ 250g Auxiliary Weight Disc (x3)
- ▶ CS-10 & H-18 Wearasers
- ▶ Wearaser Depth Gauge / Sharpener
- ▶ S-14 Refacing Strips
- ▶ S-12 Hand Brush



LINEAR ABRASER
REFERENCE DIMENSIONS



Optional accessories (sold separately)

- ▶ Wide selection of standardized Taber Abrasives
- ▶ Accessory weight discs
- ▶ Specimen mounting options
- ▶ Wear & abrasion test attachments
- ▶ Scratch & Mar test attachments
- ▶ Wire / Cable scrape abrasion kit
- ▶ Flexible film abrasion kit

