

Oscillating Abrasion Tester 6100



Surface Abrasion / Erosion Testing

Measure resistance to surface abrasion and scratching.

The Oscillating Abrasion Tester generates surface damage reflective of what is commonly seen in real life. Test specimens are subjected to an abrasive media that shifts significantly within the tray resulting in scratches, pits and surface roughening on the specimen surface.

Drive system provides consistent results.

A scotch-yoke drive system allows an even distribution of movement centered on the tray. This ensures the pressure of the abradant is consistent for the duration of the test. Test parameters can be changed with an adjustable stroke length and variable speed.

Detachable tray offers testing versatility.

With the specimen holder integrated in a detachable tray, the standard test arrangement is intended for flat specimens up to 1/2 inch thickness. Customized holders can be developed to evaluate non-standard shapes. An optional test kit is also available to conduct the "Bayer Test" for contoured lenses. Additionally, using abrasive slurry allows for small-scale, controllable tests to assess material erosion resistance.



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Standard Features:

Stroke lengths of 1.0", 2.0", 3.0", 4.0"
Variable stroke speed from 100 – 200 cycles per minute
Add 100 stroke selector switch
Stainless steel specimen tray (9 1/2" x 12" x 2 1/2" deep)
Vibration isolator mounts
115V/230V switchable



Oscillating Abrasion Tester Includes:

Specimen Tray with Integrated Holder
Specimen Spacers (set of 8)
4/10 Silica Abrasive Media (50 lb.)
6" Rule
Spirit Bubble Level
Specimen Removal Tool
Disposable Specimen Tray Cover

Optional Accessories (sold separately):

Bayer Test Kit
Alundum ZF-12 abrasive media
Stainless steel specimen tray (9 1/2" x 12" x 4" deep)
Specimen tray cover



*Send us your materials for
a product demonstration*



Setting the Industry Standard

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