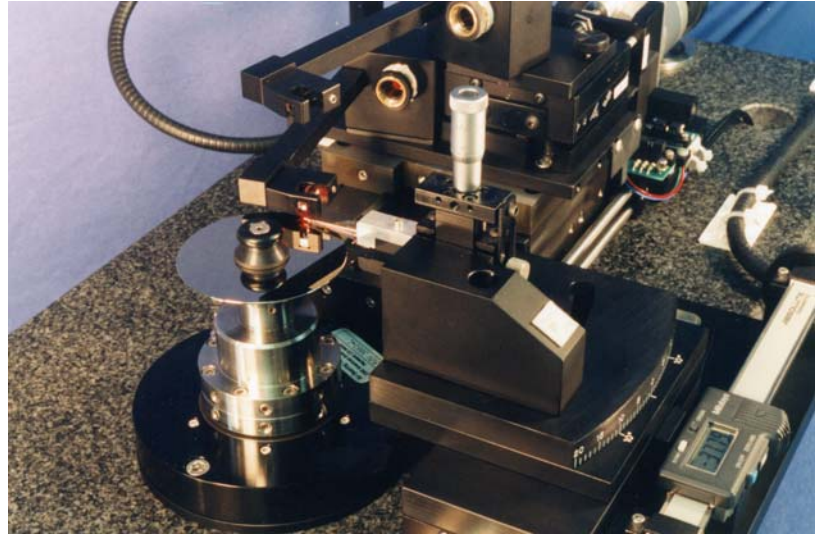


# Flyability™ Test Adapter

This add-on adapter provides the user with the opportunity to test HGAs on a dynamic test platform. The user is able to map the disk surface and observe the head flight characteristics over the disk. The effects of dynamic flutter,  $\mu$ -waviness and TIR can all be examined in a real world, real media, real time environment. The user can select display of head “runout”, disk “runout” and the effects of both in the drive. The user can also view the head-to-disk separation variation.



This is the same adapter used by the Computer Mechanics Laboratory at the University of California at Berkeley to map the effects of surface morphology and head Flyability.

Each Flyability adapter is custom fitted to the particular head type to insure that the use simulation duplicates the application in the drive. The adapter will allow up to +/- 15 degrees of skew.

This test can also be performed on a drive when the tool is equipped with the drive tset adapter option.

## Features:

- Tests HGA's on dynamic test platform.
- User selectable rotational speeds and disk clamping methods.
- Accepts any type of disk material, clear glass, ceramics, Ni, quartz, etc.
- Examine head reaction to disk flutter at head takeoff and landing speeds.
- Study head reaction and flexure bending moment resonance.
- Allows signal analysis of head separation for AGC circuitry design and channel allowance “budget” studies.



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