

GUZIK PRODUCT BULLETIN

V2002 Spinstand Automation for Head Testing



The automated protective cover and the disk-shroud automation add more to the V2002 head-testing capability: with the protective cover closed, the operator can safely change the cartridges without stopping the spindle.

Keeping media rotating during the head changes eliminates the RRO drifts associated with starting and stopping the spindle and increases the repeatability of the test results. The cover automatically opens before loading the head onto the media, closes after the head unloading, and moves outside the spindle area, together with the disk stabilizer shroud, for media replacement after the test completion.

The automation is available for **V2002 revision 9** and later. The protective cover is an option. The automation for the disk stabilizer shroud is integrated into new **V2002** spinstands and can be used without the protective cover to avoid moving the shroud manually.

Automated Protective Cover and Disk Shroud:

- Improves the repeatability and the accuracy of HGA testing results.
- Protects media and operator while changing HGA cartridges without stopping
- Covers media to protect it while spinstand is not in use.
- Automated disk shroud movement eliminates the need to manually release, move, and lock the disk stabilizer shroud during media changes. Shroud position
- Interchangeable shroud enables switching between different thickness and media
- The automated disk shroud can be used with the vacuum and the fixed chucks.

¹ The vacuum chuck is patent pending.



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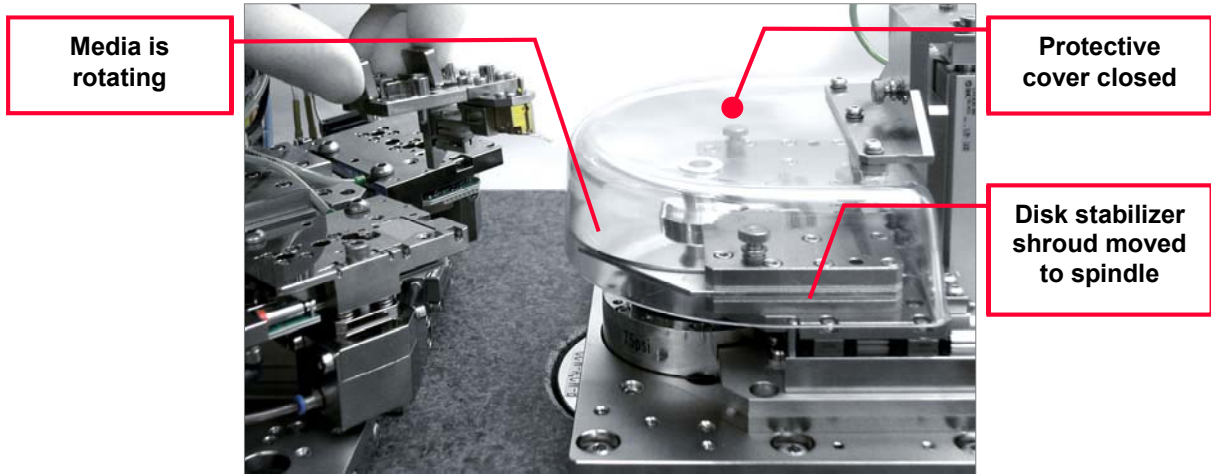


Figure 1: Now the protective cover is closed, and the operator can replace the cartridge safely, without stopping media rotation.

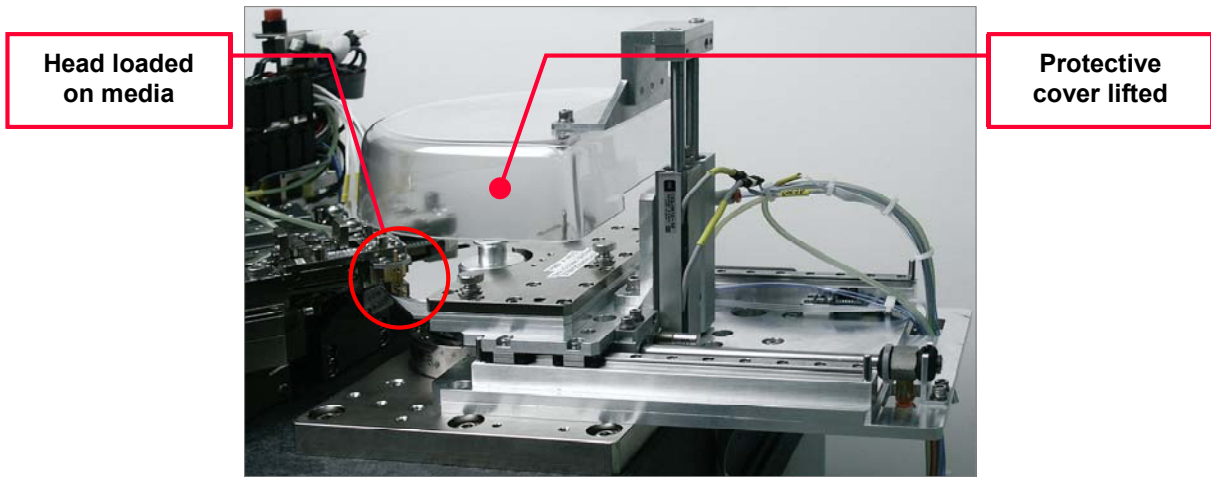


Figure 2: The protective cover is lifted to enable head testing.

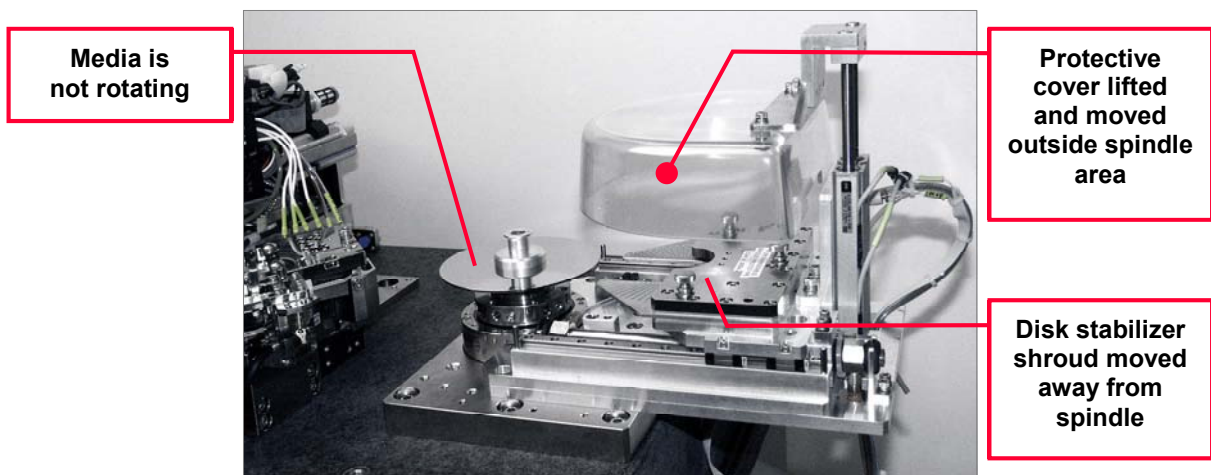


Figure 3: The spindle is stopped; the protective cover and the shroud are moved outside the spindle area. Now the operator can access the media.