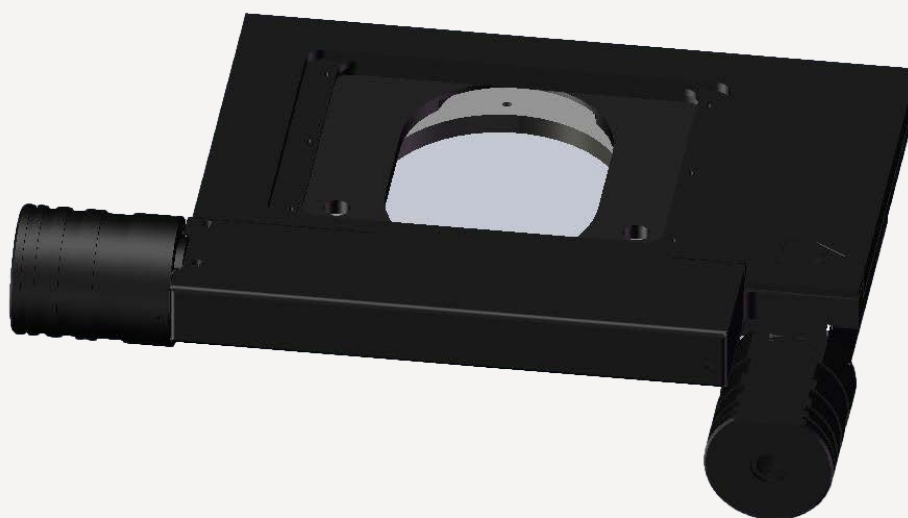




H100

75 x 50 mm motorised scanning stage for upright microscopes



The H100A has an adaptation system to allow one universal stage to fit many microscopes. The stage is compatible with sample holders for up to four standard slides, semiconductor wafers, metallurgical specimens, Microtitre plates or Petri dishes. This stage is reliable, versatile and precise and is controlled via Prior's versatile ProScan® and OptiScan system.

- < 1µm resolution
- Interchangeable and low profile sample holders
- At least ±0.7 µm repeatability
- RS232 and USB controlled, and compatible with most 3rd party software.
- Choice of motor type and high precision ball screw
- Travel range of 75 x 50 mm
- Anti-backlash mechanism and adjustable limit switches

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H101A

114 X 75 mm motorised scanning stage for upright microscopes

Specification

Performance*	H100
Bi Directional Repeatability (Mean) in μm	± 2.2 (1.3)
Uni Directional Repeatability (Mean) in μm	± 0.7 (0.2)
Minimum Step Size in μm	0.04
Recommended Speed (Maximum speed) in mm per seconds	32 (50)
Metric accuracy per mm of travel (Average performance)	0.2 (0.059)
Maximum travel range in mm	75 x 50
Maximum load in kg	10
Squareness in arc sec	30
Weight in kg	3.5
Type	1
Ball Screw Pitch	1
Motor Type SPR**	200
Encoder***	NO

* To obtain these values requires the use of a Prior ProScan II or above controller. These values were obtained using a Prior ProScan Controller, with backlash correction and IST enabled, over the full travel range of the scan using the Prior method of testing. All repeatability is uni-directional.

** SPR = full Steps per Revolution of Motor

*** 0.1 μm res encoding provided.



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