

H101 flat top stage for upright microscopes

114mm x 75mm travel, flat top motorised scanning stage

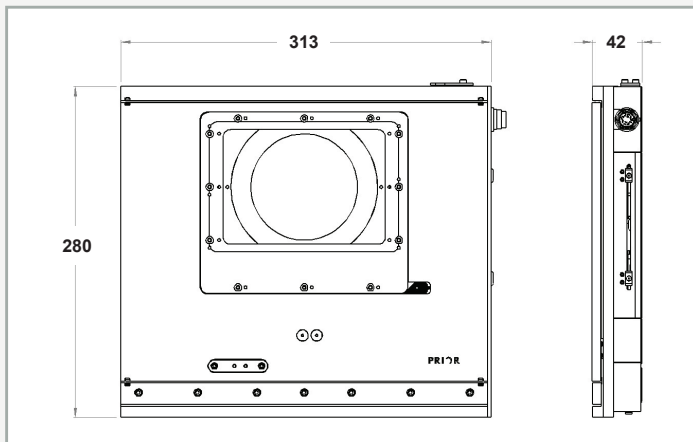


The newest addition to the H101 family of flat top stages for most up-right research microscopes.

Greater objective clearance means that the sample position is at its highest point of the stage at any given time.

The H101 flat top stage is part of a full range of ProScan™ III stages designed to fit most upright microscopes. The basic stage has an adaptor system to allow one universal stage to fit many microscopes..

H101P2** (see ordering information below) with H234F (4 x Slide Holder)



Accessories

Part Number	Description
H224F	Single Slide Holder 3" x 1"
H234F	4 Slide Holder
H3848	Converter plate to enable older sample holders to be fitted: NOTE the older sample holders have different focus heights and may not work on some microscopes.

Ordering Information

- H101**BX Olympus BX range with dovetail mount.
- H101**B3 Olympus BX63 with fixed pillar mount.
- H101**Ci Nikon Ci, Ni and older eclipse range. (non rotatable dovetail)
- H101**Ni Nikon Ni and older eclipse range.
- H101**AX Zeiss Axioimager.
- H101**DM Leica DM2500 to DM6000

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Specifications

Performance	H101P2F	H101E2F	H101P1F	H101E1F	Units
**Bi-Directional Repeatability (average)	1.3	0.8	1.0	0.6	µm
**Uni-Directional Repeatability (average)	0.2	0.2	0.2	0.2	µm
Minimum step size	0.04	0.04	0.02	0.02	µm
Maximum Speed	60	60	30	30	mms ⁻¹
*Metric Accuracy (average)	0.06	0.06	0.06	0.05	µm
Maximum Travel Range	114 x 75	114 x 75	114 x 75	114 x 75	mm
Maximum Load	10	10	10	10	kg
Squareness	30	30	30	30	Arc sec
Weight	5	5	5	5	kg
Ball Screw Pitch	2	2	1	1	mm
Motor Type	200	200	400	400	***S.P.R
Encoders	NO	YES	NO	YES	µm res

* Requires the use of Prior ProScan™ Controller and are based on the Prior method of testing. Based on performance with IST enabled, and measured over the full travel range.

**Using a Prior ProScan™ controller with backlash correction enabled, all repeatability is uni-directional.

***S.P.R: Full steps per revolution of motor.

Controller options



Patented Intelligent Scanning Technology (IST):

The ProScan™ III Controller and stage include as standard IST which significantly improves the metric accuracy of the ProScan™ stage.



Prior Interactive Control Centre:

PS3J100 local control centre provides positional feedback and the ability to measure distances. The stage can be controlled either via the joystick or via fine individual X and Y control knobs.

ProScan™ III Ordering information:

Part Number	Description
V31XYZ	X, Y and Z axis control.
V31XYZE	Encoded X, Y and Z axis control.
V31XYZF	X, Y and Z axis, Filterwheels and Shutter control.
V31XYZEF	Encoded X, Y and Z axis, Filterwheels and Shutter control.