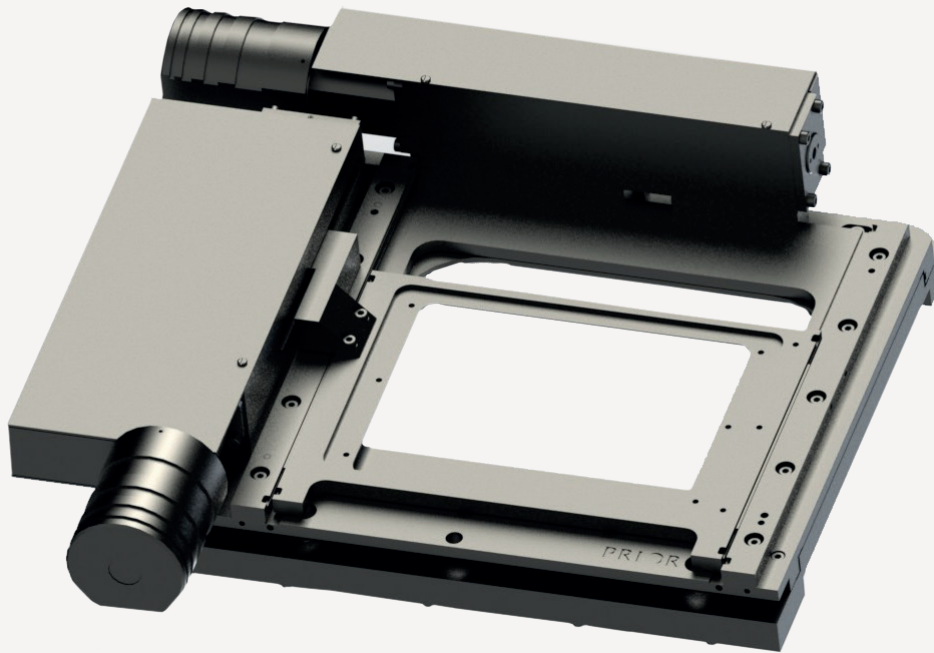


H107 Stage

Programmable, Motorised Stepper Stage for Inverted Microscopes



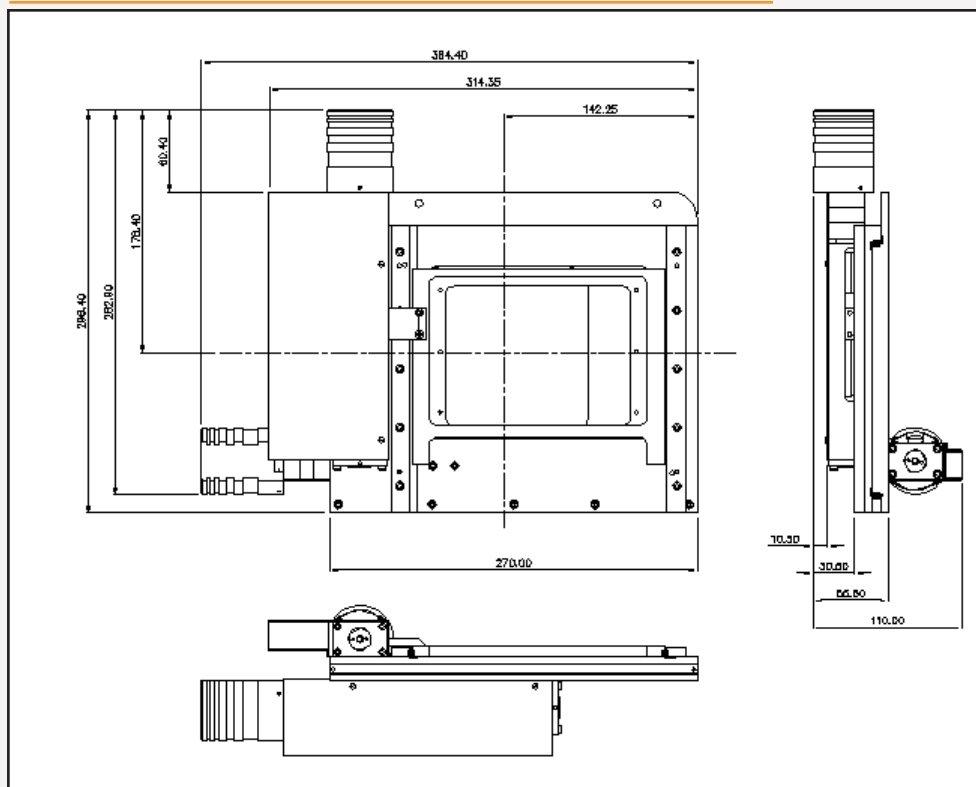
Designed for older microscopes such as the Nikon Diaphot 300 and the Olympus IX50 and IX70, the H107 allows precision scanning of a wide range of samples. Compatible with Prior Scientific's extensive range of sample holders, this stage is suitable for applications involving slides, Petri dishes, well plates, flasks, microtitre plates and haemocytometers. 112 x 70 mm of travel is possible with repeatability of $\pm 1 \mu\text{m}$ and a minimum step size of just $0.04 \mu\text{m}$, giving great flexibility, speed and precision. Precision can be enhanced even further with the addition of 100 nm linear scales.

IST (Intelligent Scanning Technology™) is provided as standard with the H107, allowing the user to more accurately control the stage. By measuring the exact characteristics of each individual stage produced, and storing these measurements inside the stage itself, optimum performance is ensured when the H107 is used with the ProScan® control system.

H107 Stage

Programmable, Motorised Stepper Stage

Dimensions



Specifications*

Feature	Specification
Travel Range	112 x 70 mm
XY Repeatability	$\pm 1 \mu\text{m}$
Minimum Step Size (Resolution)	0.04 μm
Load Capacity	10kg
Stepper Motor	4 phase, 1 amp per phase, micro stepping
Linear Slides	Precision 3mm bearings
Drive Screws	Zero backlash recirculating ball screws; 2 mm pitch
Limit Switches	X and Y standard
Stage Profile	Approximately 25mm with glass plate installed
Weight	3.5 kg

*Specifications obtained using the Prior method of testing and are only valid when used with a Prior controller (ProScan II or higher).

Worldwide distribution

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