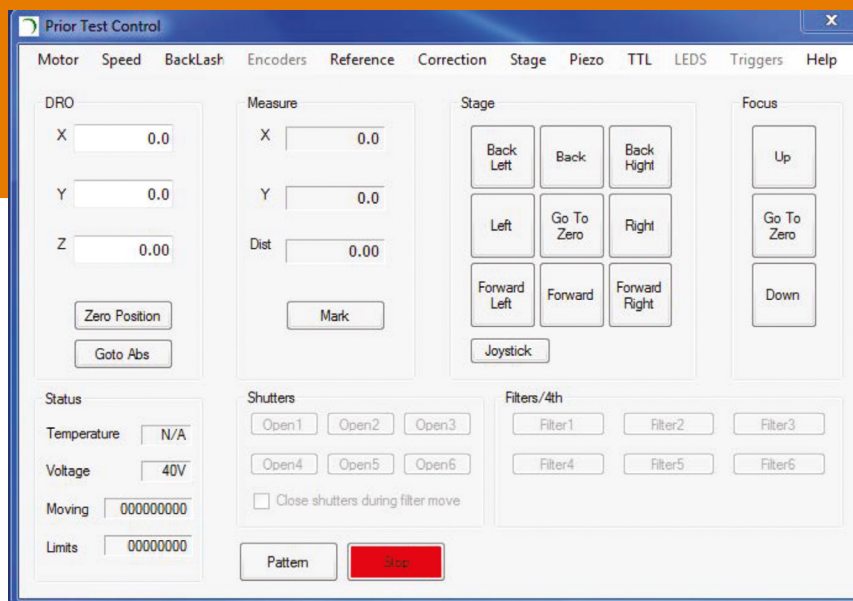


X-PRO 500

- Following the philosophy of technology research and continuous development, echoLAB realizes in partnership with PRIOR SCIENTIFIC, leader in microscope automation, a new microscope system with motorized stage.
- X-PRO 500 motorized system for inverted material science microscopes:
 - IM 500DIC
 - IM 500BD
 - IM 500

Joystick

- Three axis joysticks for X,Y and Z manual control, available with stage systems to provide fast and responsive control
- Two programmable Hot Keys for a variety of system controls.



Software

- X-PRO controllers are supplied with software development toolkit which includes comprehensive dll, VB demo program and a full complement of ASCII commands. The developer can use either the USB or the RS232 serial port for software communications.
- Through software is possible to move the stage and focusing directly from PC by two methods:
 - 1) Text file editing, with all commands for stage and focus.
 - 2) Using software like a joystick or inserting coordinates X,Y and Z for sample movement in the desired position.

Focus drive X

- No twist cable connection
- 0.002 μ m minimum step size
- Easy to install
- Up to 20Rev/s top speed. Simple easy to fit Z solutions for most microscopes
- The motorized focus control provides step sizes as small as 0.002 μ m, giving excellent resolution for precise and repeatable focusing in the Z-axis. For large movements when speed is required, the focus motor can be driven at speeds of up to 20 revolutions per second
- Drive with rotating cable system, designed to prevent cable twisting.



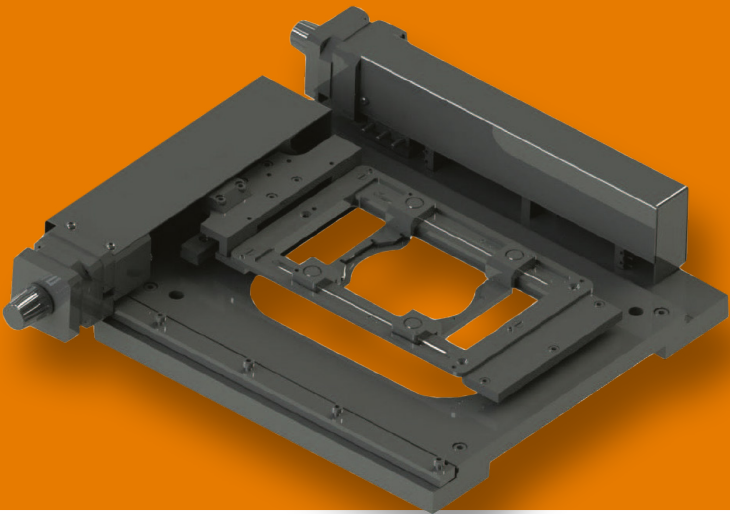
X-PRO 500

Motorized stage

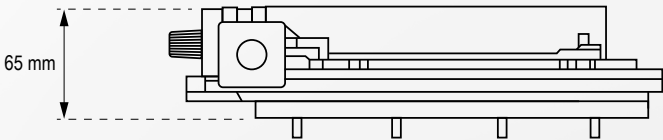
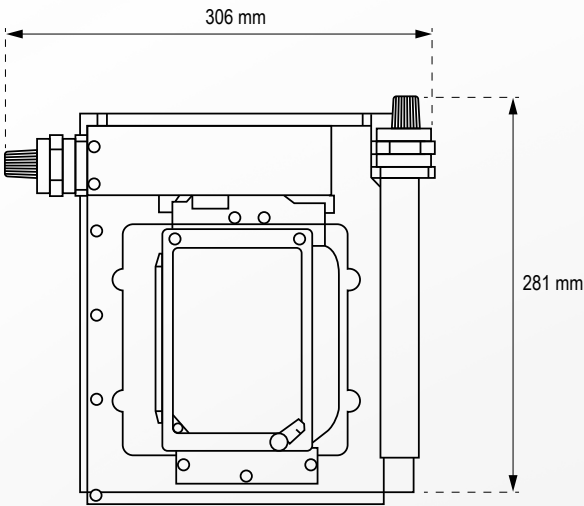
> FX-PROES107 offers high level of flexibility. It is the perfect choice for researchers who require a precision motorized stage.

Features:

The unique S curve acceleration algorithm allows fast, smooth positioning without vibration, reducing disruption to samples. Controllable via joystick, RS232 or USB



Travel Range	115x77mm
Repeatability	±5µm
Resolution	1µm
Linear slides	3mm ball bearing
Drive mechanism	Anti-backlash precision lead screw
Limit switches	X and Y standard, semi adjustable



Sample holders

Wide range of sample holders available for one or more samples per time:

