

## H138A Stage

Multi-slide motorised stage for upright microscopes



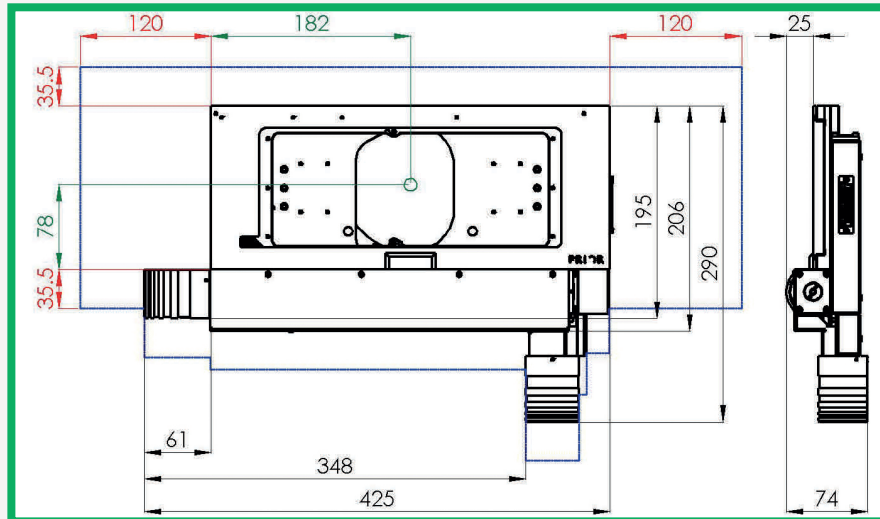
- Designed to fit most upright microscopes the H138A ProScan® stage is designed to increase the speed at which images and data are obtained whilst retaining the precision and reliability of associated with a product from Prior Scientific.
- The sample holder can hold eight standard sized slides increasing the speed of image acquisition and processing.
- At least  $<1\mu\text{m}$  resolution and  $\pm 0.7\ \mu\text{m}$  repeatability allows accurate imaging of, and return to, areas of interest.
- Can be incorporated into the ProScan System allowing control of illumination and the Z Axis as well as the XY control offered by the stage for tight and precise control over the whole imaging process.
- Controllable via joystick, RS232 or USB.
- XY limit switches allow the stage to be integrated safely with your specific set up.
- Anti-backlash mechanism enhances accuracy.
- Encoders available.



## H138A

Multi-slide motorised stage for upright microscopes

### Dimensions



### Performance\*

Stage	H138A	HE38A	Unit
Bi-directional repeatability	± 2.2	± 1.5	µm
Uni-directional repeatability	± 0.7	± 0.7	µm
Minimum step size	0.04	0.04	µm
Maximum speed	100	100	mm/s
Metric accuracy per mm of travel	0.075	0.075	µm

### Specifications

Maximum Travel Range	240 x 71	240 x 71	mm
Maximum load	10	10	kg
Squareness	60	60	arc sec
Weight	5	5	kg
Ball Screw pitch	2	2	mm
Motor Type	200	200	SPR**
Linear Encoders	No	0.1	µm res

\*Obtaining these figures requires the use of a ProScan II or above controller. All values are based on the Prior method of testing, using a Prior ProScan controller with backlash correction and IST enabled measured over the full travel of the stage; all repeatability is uni directional.

\*\*Steps per revolution of motor



**Prior Scientific Ltd**

3-4 Fielding Industrial Estate • Wilbraham Road • Fulbourn • Cambridge • CB21 5ET • UK  
 t: +44 (0)1223 881711 • e: uksales@prior.com • www.prior-scientific.co.uk



FM 61600



**Prior Scientific Inc**

80 Reservoir Park Drive • Rockland • MA. 02370 • U.S.A.  
 t: +1 781-878-8442 • e: info@prior.com • www.prior-us.com

Registered Address: Units 3/4 Fielding Industrial Estate • Wilbraham Road • Fulbourn • Cambridge • CB21 5ET • United Kingdom Registered in England 404087