

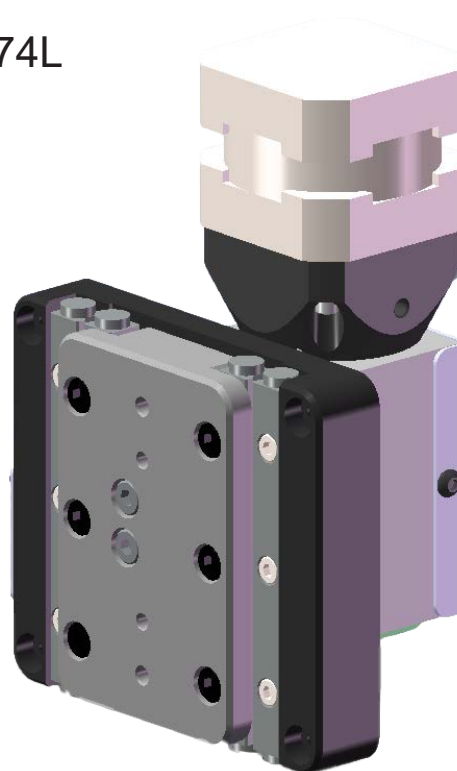
Z-Axis Motorised Focus Mount

The -Z- axis motorised focus mount offer a wide range of positioning solutions for a variety of applications. Many configurable options are available from a simple motorised linear axis to an X, Y and Z three axis stage system. Due to this versatility, the Z-Axis will be a useful component in a wide array of microscopy systems, complementing the motorised stages produced by Prior which offer superb accuracy and repeatability in the Y and X axes, by bringing the same precision to the Z axis. This flexibility also means the Z-Axis will be especially useful for constructing customised systems for very specific purposes and OEM manufacturing.

Features:

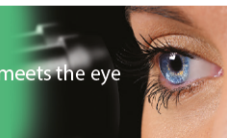
- Large travel range of 40 mm
- 20 nanometre resolution
- +/- 1.0 μm repeatability.
- Supports most Prior-manufactured stages
- High precision lead screw drive
- Adjustable limit switches
- Compatible with the OptiScan System and ProScan® System
- Can drive horizontally or vertically
- The Z-Axis can be used either with a Prior stage, or on its own with a suitable sample insert.

HH374L



Ordering information

Part Number	Description
HH374L	LFOS Z Drive, The objective adjusts stage with motorized focus ± 20 mm



Specifications

HH374L

Dimensions
(at minimum range) 90 x 76 x 125mm WxDxH

Resolution* 20 nm

Straightness*
(over full travel) +/- 3.5 µm

Full travel repeatability* +/- 1.0 µm

Full travel metric accuracy* <5 µm

Drive mechanism Zero backlash precision
lead screw

Travel range 40mm

Speed range w/ max load 1-8 mm/s

Encoder No

Max load 8 kg

Cable length 1m

*With ProScan® III controller



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