

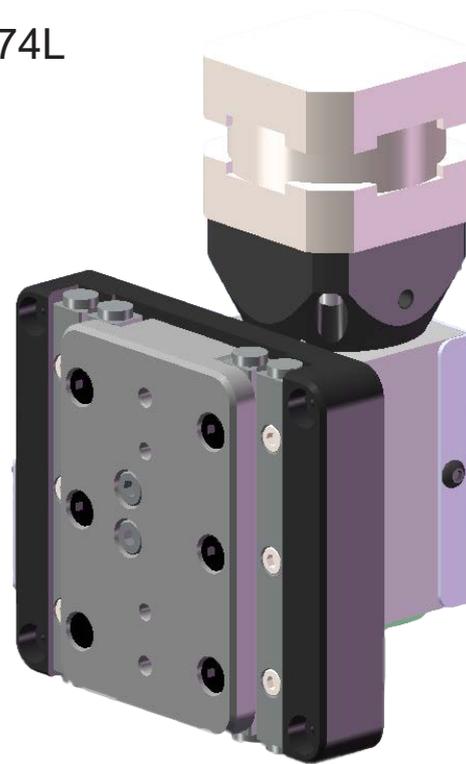
## Z-Axis Motorised Focus Mount

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 20 mm
- 20 nanometre resolution
- +/- 1.0  $\mu\text{m}$  repeatability.
- Supports most Prior-manufactured stages
- High precision lead screw drive
- Adjustable limit switches
- Compatible with the OptiScan System and ProScan<sup>®</sup> 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



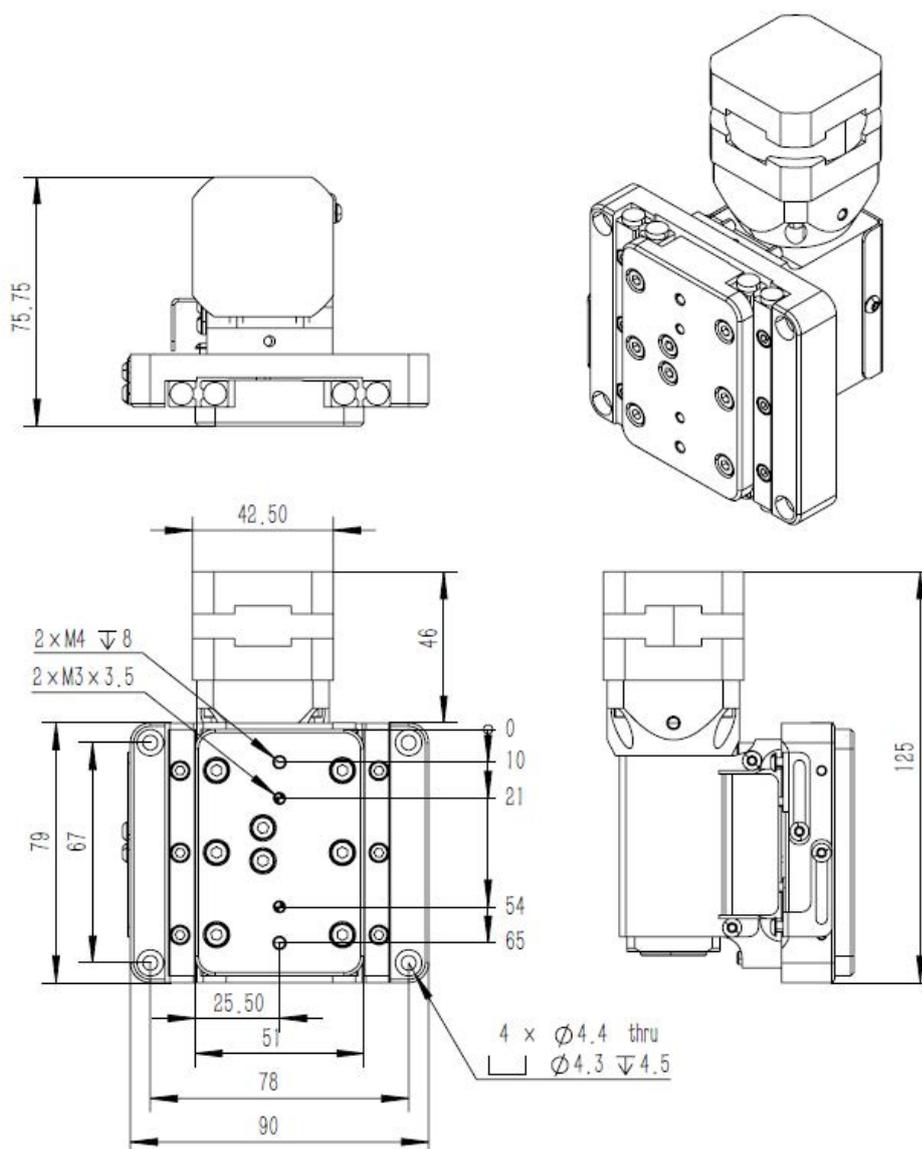
### Ordering information

Part Number	Description
HH374L	LFOS Z Drive, The objective adjusts stage with motorized focus $\pm 10$ mm

## Z Axis Motorised Focus Mount

### Dimensions

# HH374





## 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 20mm

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

Encoder No

Max load 8 kg

Cable length 1m

\*With ProScan® III controlle



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FM 61600



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