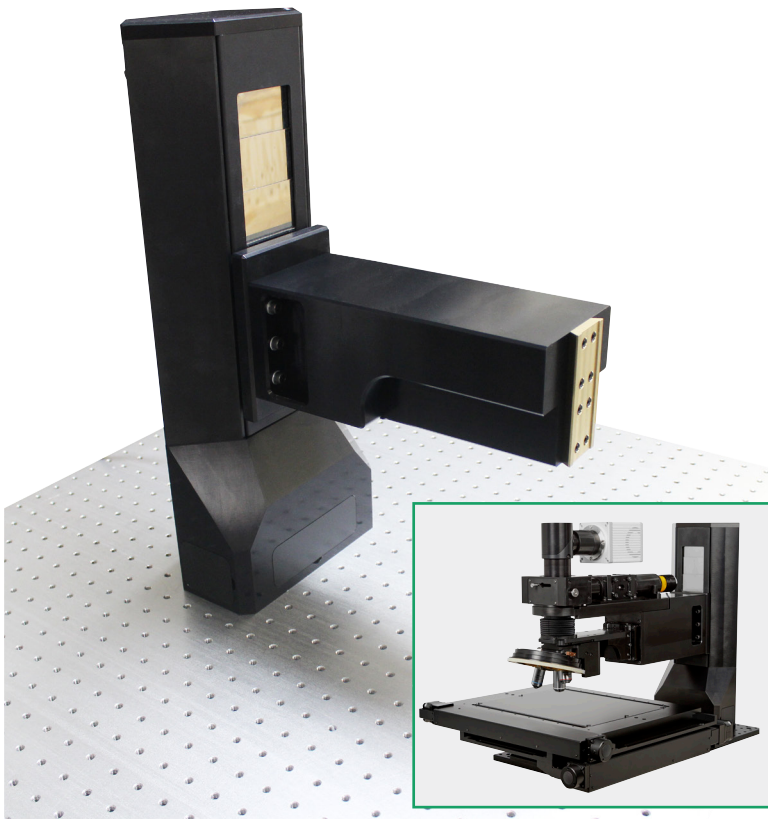


H275LMT

Extended Travel Motorized Focus Tower



The H275LMT motorized focus column with 145mm of vertical travel is designed to provide fast, controlled movement of optical systems. The system's high load capacity enables large and complex assemblies to be translated above the sample.

Designed with system development in mind, the interface between the optical system and the H275LMT is interchangeable. This enables the H275LMT to be widely compatible with highly customized optical systems, as well as commercially available stereo and compound microscope optics. The system can be further adapted to work with super long working distance objectives or very large or irregular samples. In combination with Prior's complete OptiScan and ProScan motorized stage range, the H275LMT can be used to image samples as large as 300mm x 300mm. An optional linear encoder for enhanced long-range repeatability and closed loop step movements is also available.

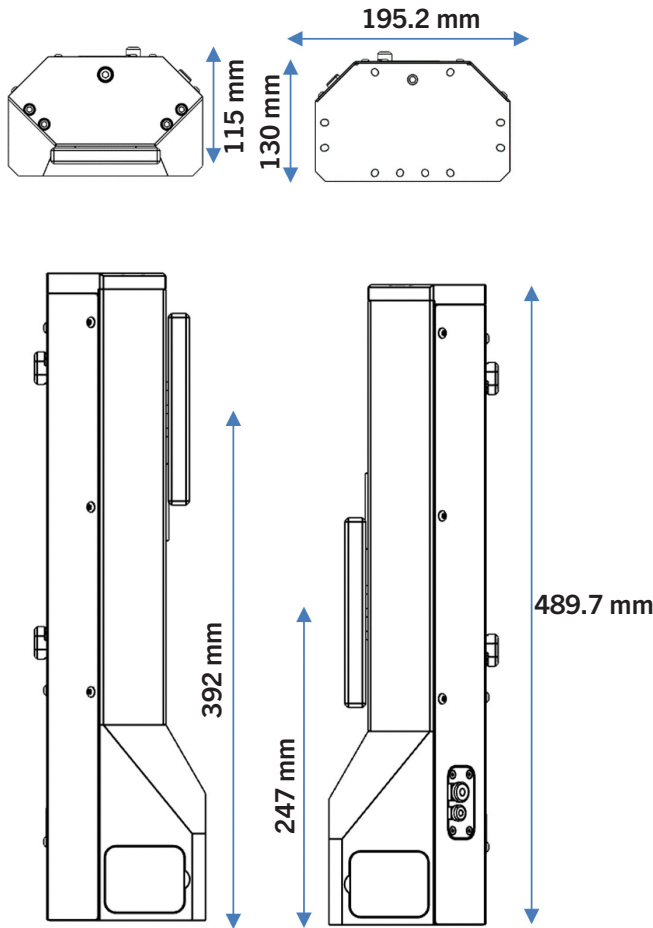
Key Features

- High resolution focus movement
- Optional linear encoder for enhanced long-range repeatability and closed loop movements
- Mounts directly to 6mm or 1/4-20 breadboards
- Highly customizable to work with large or irregular samples
- High load capacity facilitates integration with complex or heavy optical systems
- Directly compatible with commercially available stereo microscopes and macroscopes
- Variable throat distance compatible with up to 300mm x 300mm travel motorized stage
- Compatible with most imaging software that is integrated with ProScan III controller

Applications

- Semiconductor wafer inspection
- Large industrial sample inspection
- Mask inspection
- LCD inspection
- Lab on chip
- High throughput biological applications
- Whole/live animal imaging

Technical Information



H275LMT with Nikon SMZ25



H275LMT with Evident MVX10



Specification	H275LMT	H275LMTE
Travel range (mm)	145	145
Resolution (nm)	40	40
Encoder	No	0.1 μ m
Load capacity (kg)	25	25
Mass (kg)	13.5	13.5

UNITED KINGDOM

Prior Scientific Instruments Ltd.
Units 3-4 Fielding Industrial Estate
Wilbraham Road, Fulbourn
Cambridge, CB21 5ET
United Kingdom
Email: inquiries@prior.com
Phone: +44 (0)1223 881711

U.S.A.

Prior Scientific, Inc.
80 Reservoir Park Drive
Rockland, MA. 02370
U.S.A.
Email: info@prior.com
Phone: +1 781.878.8442

GERMANY

Prior Scientific Instruments GmbH
Maria-Pawlowna-Str. 4
D-07743, Jena, Germany
Email: jena@prior.com
Phone: +49 (0) 3641 24 20 10

JAPAN

Kayabacho 3rd Nagaoka Bldg 10F,
2-7-10, Nihonbashi Kayabacho, Chuo-Ku,
Tokyo103-0025, Japan
Email: info-japan@prior.com
Phone: 03-5652-8831

CHINA

Prior Scientific Instruments (Suzhou) Ltd.
Room 1812, Honghai Building,
72 Xingdu Street, Suzhou Industrial Park,
Suzhou, 215000 China
Email: info-china@prior.com
Phone: +86 (0)512 6617 5866

