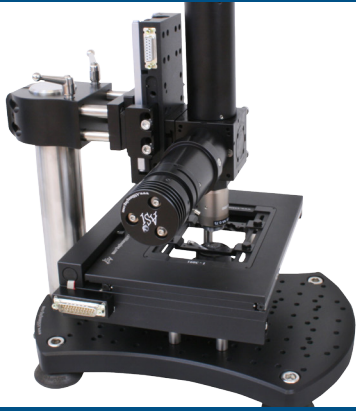




VTS-2300 Versatile Test Stand



Features

- Base is a Breadboard on 25 mm centers tapped for M6 screws with threaded holes for risers for TE/TI-2000, TE-300, IX-71/81, DMI, and MS-2000 stages
- Base feet provide vibration isolation
- Z riser is adjustable on pillar blocks
- Z motion from LS-50, LS-100, or LS-150 linear stage
- Z illumination can use LED, LED and a Condenser (from below), or fiber illumination (from above)
- Observation is with a Modular Infinity Microscope

LS-Series Linear Stage

LS-Series linear stages provide sub-micron accuracy, deriving their precise control by using closed-loop DC servomotors and employing high resolution rotary encoders for positioning feedback. An optional linear encoder can be added to the unit to provide even greater positioning accuracy.

The units have built-in limit switches, and can be configured with a number of lead screw options as outlined in the table below.

Lead Screw Pitch Options	Rotary Encoder Resolution	Maximum Speed
25.40 mm (Ultra-coarse)	88 nm	28 mm/sec
12.70 mm (Super-coarse)	44 nm	14 mm/sec
6.35 mm (Standard)	22 nm	7 mm/sec
1.59 mm (Fine)	5.5 nm	1.75 mm/sec
0.635 mm (Extra-Fine)	2.2 nm	0.7 mm /sec

Basic Components

- Infinity Space Beam Splitter Cube – can be used for Epi-fluorescence filter cube or as right-angle objective adapter.
- Objective Adapter – options for Nikon CFI60, Mitutoyo, or Olympus RMS thread objectives.
- Universal Coupling – used on all infinity-space components for design flexibility.
- C-Mount Beam Splitter - provides a second camera/detector port
- Filter Wheel Adapter - Use with ASI FW-1000 Filter Wheel

Tube Lens	200 mm f.l.
Beam Splitter	Olympus AX/BX/IX series cube
Beam Splitter Optical Length	60 mm
Objectives Supported	Nikon CF160 Series, Mitutoyo LWD Series, *Olympus ∞ corrected
Camera Port	C-Mount

*Olympus objectives will have overall magnification 1.11 x objective marking