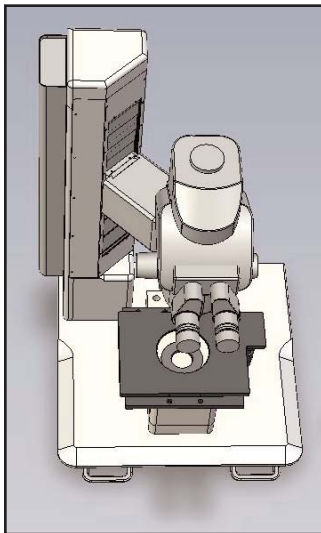


Motorized Z Stand

The Leeds Precision Instruments Custom Products Department is proud to introduce the **Z Plus Stand** for the **Olympus MVX-10, SXZ, SZX2** microscopes and the complete line of modular **Olympus BX microscope components**. The **Z Plus Stand** offers significant improvements in both stability and versatility - greatly enhancing the optical strengths of any microscopy system.

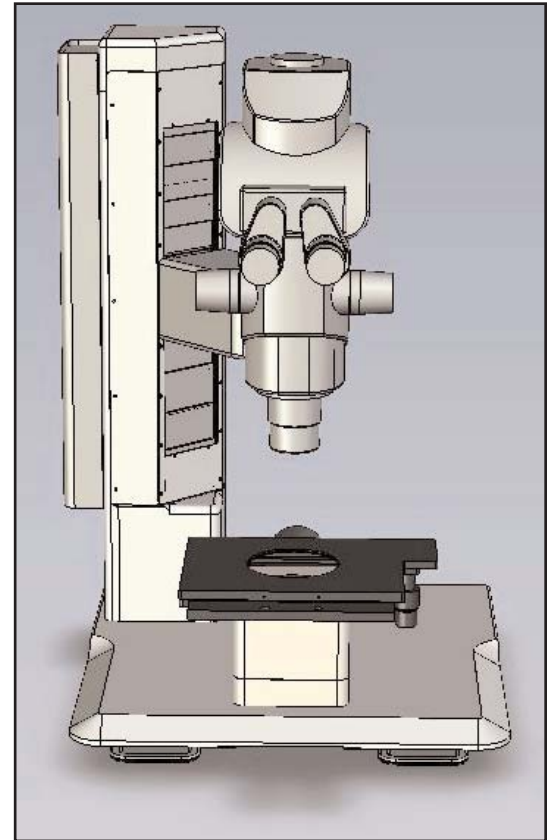
Mounting directly to the zoom body units of the **Olympus MVX-10, SXZ, and SZX2** microscopes, the **Z Plus Stand** offers complete motorized Z-axis control with 12" (305mm) of Z-axis travel. The vertical column is truck and rail construction with a servomotor driven lead screw. The **Z Plus Stand** is on a solid platform that eliminates any focus drift associated with fully loaded systems.

The **Z Plus Stand** has a brightfield/oblique transillumination module option



Z Plus stand top view

that uses a tiltable sliding mirror and accepts the Olympus lamphouse. Conversion to a 150-watt light source and fiber optic light guide is possible by using the Leeds' **LPI-Z+FOK** Fiber Optic Kit that includes: an adapter, power supply and light guide. The **Z Plus Stand** also has an option for Köhler Illumination by using the **LPI-Z+B XK** module. The **LPI-Z+1012PLT** illumination module is designed to accept either a 10" x 12" (254mm x 305mm) painted aluminum work surface plate, the Olympus **IX-SVL2** manual stage or the Prior Scientific Proscan motorized stage. A stage can be mounted without the illumination module by using the Leeds' **LPI-Z+RSM** reflected light stage mount. The Leeds' **LPI-IX3PLTG** glass stage insert is needed for the Olympus **IX-SVL2**. Configuring the stand without the transmitted light module provides maximum work area for reflected light applications.



The Leeds' Z Plus stand with the Olympus MVX-10 .

Stand-alone Column

The Leeds' **Z Plus Stand** can be modified to be a stand-alone column that can be integrated into a current workstation, newly designed workstation or air table. Please contact Leeds for more information on integrating a **Z Plus** column into your workstation design.

Software Control

Components for software control of the motorized Z-axis drive are integrated into the base of the stand. These components are compatible for interfacing with the Prior Scientific drivers via a RS232 connection.

Power Supply

The universal integrated power supply will automatically detect the incoming voltage and switch between 85-265 VAC (47-63 Hz).

Stand Dimensions

Height - 30.5" (775mm).

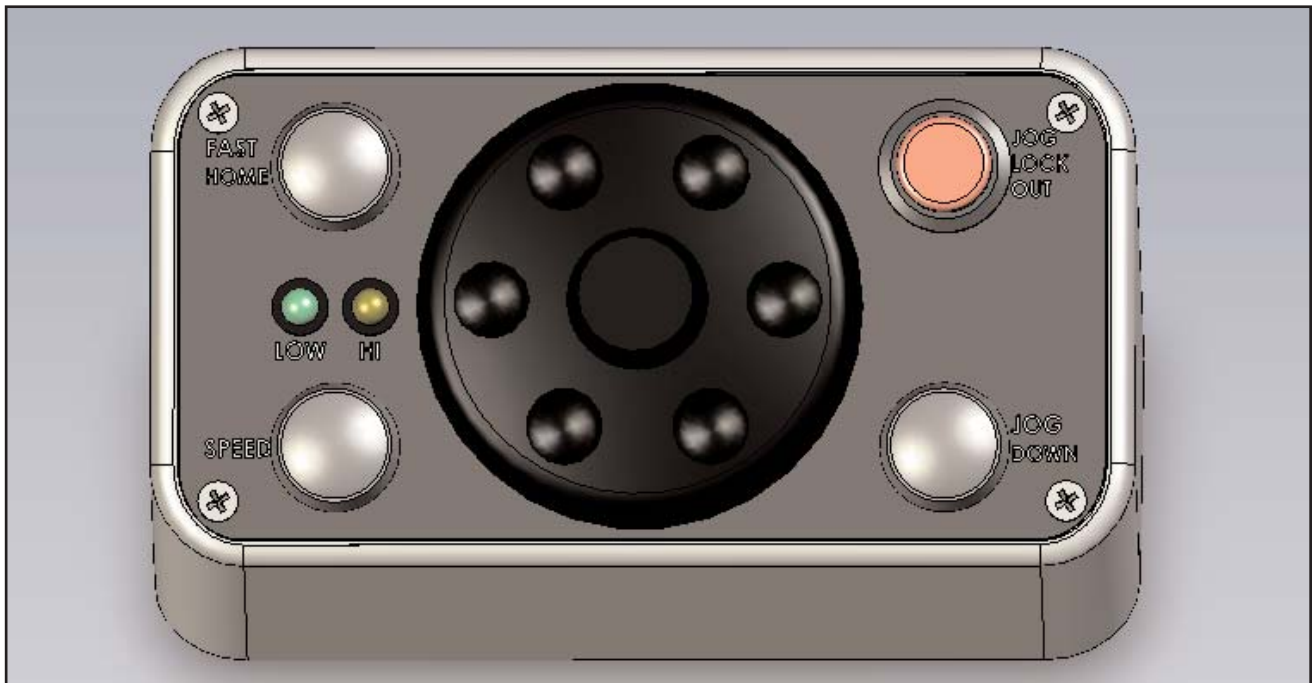
Base - 20" x 20" (508mm x 508mm) providing ultimate stability.

Weight - 98 lbs (44.5 kilos) stand-alone (less stage, lamphouse or optical body).

Focus Control

Leeds has integrated an easy to use focus control system. A remote panel for focus control is connected to the Z Plus stand and can be placed up to 48" (1219mm) away.

Remote Focus Control Panel Details



Fast Home - The Fast Home button has two functions, a fast travel to the top home position and a fast return to a learned home position. By pressing the Fast Home button once, the microscope will travel to the top home position at a speed of 2" (50.8 mm) per second - allowing for quick loading and unloading of specimens. Pressing the Fast Home button a second time will return the microscope to a programmable learned home position at a speed of 1" (25.4 mm) per second. To program the learned home position, while the microscope is in the desired position, the Fast Home button must be held for 2 seconds, until the Low/Hi LEDs flash.

Panic Feature- while the microscope is in the automated mode, press any button to stop the movement of the microscope.

Jog Down - Press and hold to lower the microscope towards the stage. Releasing the button stop travel.

Focus Wheel - The wheel type focusing knob provides effortless, intuitive focus - equally accessible for left or right hand operation. Rotating the focus knob clockwise will move the Z travel up.

Speed - Switches the focusing control between Low (.008" per revolution of the focus knob) and High (.100" per revolution of the focus knob). Selection is indicated by Low/Hi LED.

Jog Lock Out- Lighted button disables jog function to eliminate accidental jogging into the specimen.



Official Dealer

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