Stereo Microscope

Selection Guide

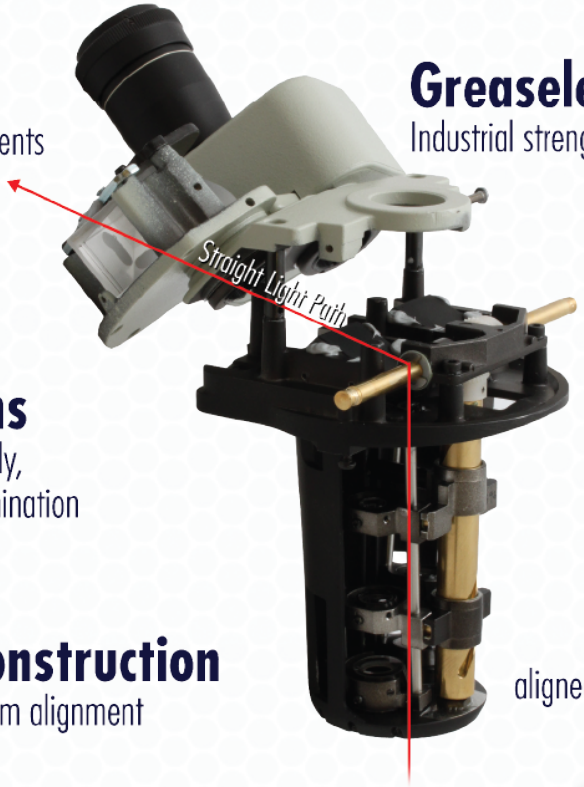
AVEN Tools for Advancing Innovation

Stereo Zoom

Microscopes

Straight Light Path
Single light path with one bend prevents image distortion

Greaseless Nylon Gears
Industrial strength gears with tight tolerances



Custom Made Prisms
Prisms custom designed to fit precisely, eliminating gaps for dust and contamination

Single Gear Objective Lens Movement
Keeps the objective lenses aligned for the life of the microscope

Unibody Construction
Assures constant prism alignment

Aven's Stereo Microscopes				
Binocular	Trinocular	Description	Magnification	Working Distance
SPZ-50E	SPZV-50E	Offers the best in class zoom ratio with super sharp 3D images, wide field of view and long working distance ***(ESD SAFE)***	6.7x - 50x	41mm - 240mm
SPZ-50	SPZV-50	Offers the best in class zoom ratio with super sharp 3D images, wide field of view and long working distance	6.7x - 50x	41mm - 240mm
SPZH-135	SPZHT-135	The ideal scope for a wide range of investigative/inspection applications requiring high magnification	21x -135x	84mm
DSZ-44	DSZV-44	The high precision optics ensures excellent contrast and definition 3D images from edge to edge, the exceptional quality allows users to efficiently perform tasks and maintain high productivity	10x - 44x	45mm - 150mm
DSZ-70	N/A	The exceptional quality allows users to efficiently perform tasks and maintain high productivity with a wide magnification range	20x - 70x	41mm -120mm

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Let's Get Started

Features to Look at

Binocular Microscope


Binocular microscopes are an excellent choice for high-volume inspection stations, parts and quality inspections, medical or scientific research, and most applications requiring high quality 3D images. All images are viewed through eyepieces for optimum, field of view, depth of field, clarity, and color.
(You cannot capture images using binocular microscopes.)

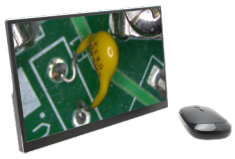
Trinocular Microscope



Trinocular microscopes have all the advantages of binocular scopes plus a trinocular port for attaching a camera. These scopes are ideal for operators who require the depth of field provided by traditional eyepieces as well as the option of capturing a 2D image for further study.

Inspection Cameras

*For Trinocular Microscopes Only

By attaching an inspection camera onto your trinocular microscope, you can view your inspection on a monitor and digitally save images.

- USB models connect to your computer and require software for image capture, measurement and annotation
- HDMI cameras connect directly to an HD monitor and save images to an SD card or USB flash drive
- Advanced HDMI cameras have integrated imaging/ measurement software

Illumination Accessories



LED ring lights are ideal for lower range magnifications, while Fiber-optic Illuminators (FOI) provide more intensity and focus of light that work well with high-range magnifications. Fiber-optic illuminators also save a significant amount of energy, making them better for the environment and your budget.

Microscope Stands


Post Stands

Post stands require a basic focus mount. They can be adjusted vertically.

Boom Stands



Boom stands require a tiltable arbor or E-arm focus mount. They can be adjusted horizontally and vertically.

Articulating Arm Stands

Articulating arm stands require a tiltable arbor or E-arm focus mount. They can be adjusted horizontally and vertically as well as swivel 360° providing operators with the greatest range of working space