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Tools for Advancing Innovation

Microscope Selection Guide

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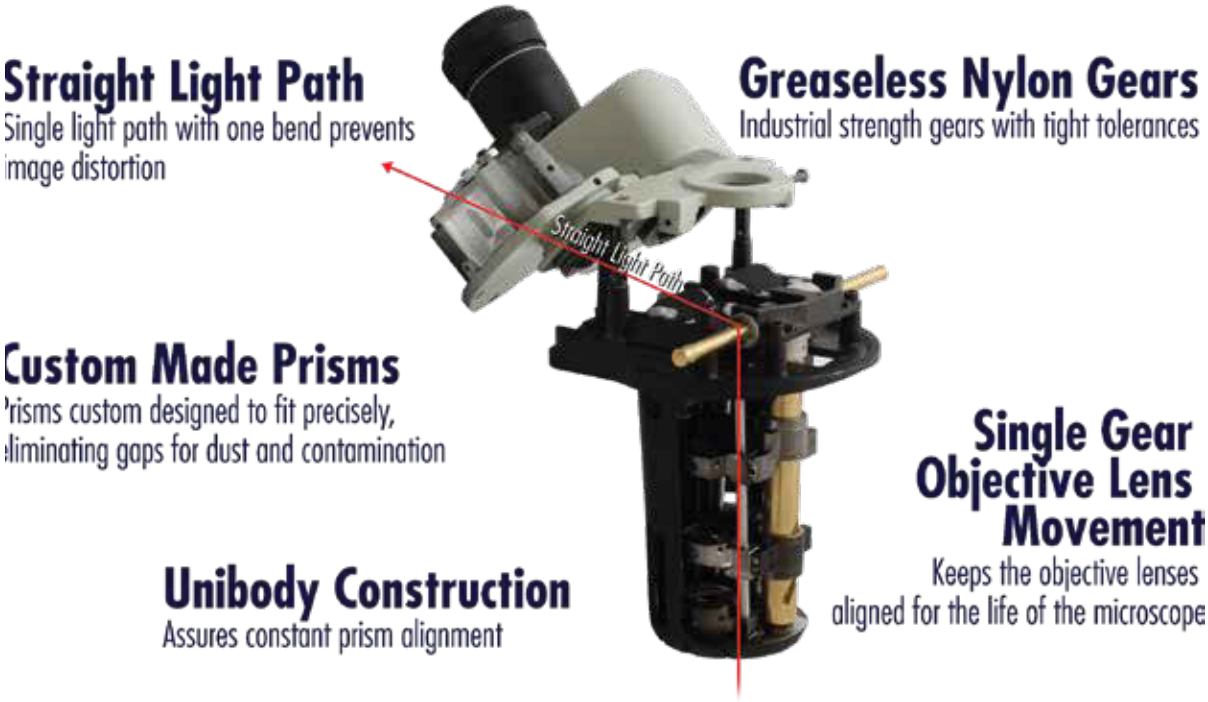
Stereo Zoom
Microscopes



Aven's Binocular Microscopes				
Model #	Description	Magnification	Working Distance	ESD Safe
SPZ-50E	Best in class magnification range and working distance| ESD Safe	6.7x - 50x	41mm - 240mm	Yes
SPZ-50	Best in class magnification range and working distance	6.7x - 50x	41mm - 240mm	No
SPZH-135	Ideal for any inspection application requiring high magnification	21x- 135x	84mm	No
DSZ-44	Versatile body with large magnification range and working distance	10x-44x	45mm-150mm	No
DSZ-70	Versatile body with high magnification and large range working distance	20x-70x	41mm - 120mm	No

Aven's Trinocular Microscopes				
Model #	Description	Magnification	Working Distance	ESD Safe
SPZV-50E	Best in class magnification range and working distance| ESD Safe	6.7x - 50x	41mm - 240mm	Yes
SPZV-50	Best in class magnification range and working distance	6.7x - 50x	41mm - 240mm	No
SPZHT-135	Ideal for any inspection application requiring high magnification	21x- 135x	84mm	No
DSZV-44	Versatile body with large magnification range and working distance	10x-44x	45mm-150mm	No

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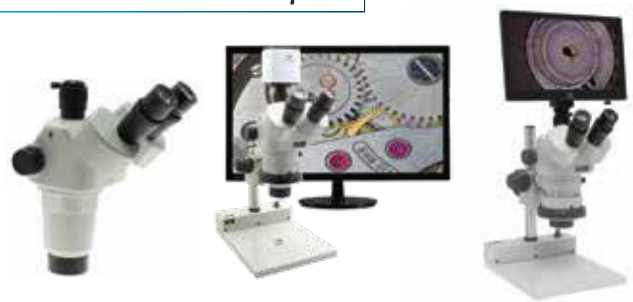
Lets Get Started

Features to Look at..

Binocular Microscopes

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 Microscopes



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

Inspection Cameras

For Trinocular Microscopes Only

By attaching an inspection camera onto the port of 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 a SD card or USB flash drive. Advanced HDMI cameras have integrated imaging/measurement software.

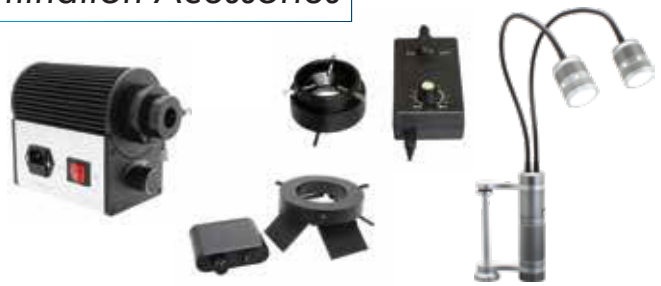
Microscope Stands

Pole stands require a basic focus mount. They are not tiltable but can be adjusted vertically.

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

Articulating arm stands require a tiltable arbor or E-arm focus mount, and can be adjusted horizontally and vertically. These stands can swivel 360* and provide operators with the greatest range of working space.

Illumination Acessories



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

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