



## SPZHT-135 Stereo Zoom Trinocular Microscope on Stand LW w/ FOI

LW Articulating arm extends both working distance and area of view

*Click stop zoom adjustment for accurate, repeatable measurements*

The ideal scope for a wide range of investigative/inspection applications, Aven's dynamic new microscope SPZHT-135 Trinocular microscope extends the boundaries of stereo zoom microscopy, employing standard 15X eyepieces to achieve 21x to 135x continuous zoom magnification all the while providing a constant working distance of 3.3" (84mm). Replacing the standard 15X eyepieces with our DHW20X eyepieces enhances the magnification range of this dynamic new microscope further – 28X to 180X. Having eyepieces set at a 45 degree angle, the adjustable interpupillary distance between eyepieces of 1.96" (50mm) to 2.91" (74mm) means they can be set to the comfort level of any user. Click stop zoom adjustments assure accurate, repeatable measurements. 1080P HD camera delivers unsurpassed imagery to any HDMI monitor or camera SD capture card because the high output Fiber Optic illuminator delivers clean, shadow free illumination. System is mounted on our light weight articulating arm that extends both area of view and working distance for improved productivity that makes this system ideal for high magnification inspection applications, especially of small parts.

Aven microscopes reflect the clear differences of Japanese-engineered instruments designed and manufactured to industry-leading standards. High-grade optical glass and a straight light path provide maximum clarity and undistorted viewing.

### Features

- Total Magnification of 21X to 135X at 3.3" (84mm) working distance, Max 180X with 20X eyepieces
- Click stop zoom adjustments for accurate, repeatable measurement
- 1080P HD camera for unsurpassed imagery
- One touch fine focus trinocular camera port adjustment for quick, easy camera focus and parfocaling the scope
- LW articulation arm to extend area of view and working distance
- Standard High Eye Point wide field 15x eyepieces at 45 degrees for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 1.96" (50mm) to 2.91" (74MM) accommodates any operator
- High output Fiber Optic illumination for shadow free observation and capture
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work
- 22" HDMI monitor for increased, improved throughput

### SPZHT-135 STEREO ZOOM TRINOCULAR MICROSCOPE ON STAND LW W/ FOI

BODY	Trinocular
EYEPIECE	15x Wide Field inclined at 45 Degree
SCOPE MAGNIFICATION   SCREEN MAGNIFICATION	21x to 135x, Max 180x with 20x eyepieces   76x to 494x
WORKING DISTANCE	84mm (3.3")
INTERPUPILLARY DISTANCE	50mm(1.96") to 74mm (2.91")
DIOPTR ADJUSTMENT	+5.6D-7.2D on both eyepieces
TRINOCULAR PORT	One touch easy adjust fine focus
OPTICAL SYSTEM	Greenough
STAND TYPE	Light Weight Articulating
BASE DIMENSIONS	220 x 284mm/8.66" x 11.18"
POLE/TRACK HEIGHT	315mm/12.5"
ARTICULATING ARM	630mm/24.8" overall
FOCUS MOUNT	Course and fine focus
CAMERA	1080p HDMI/1/3"CMOS/w/USB capture
ILLUMINATION	LED Fiber Optic w/ 2.31" ID FO ring light
22" HDMI MONITOR	Screen mag range 4:3 aspect Low 1.4X = 76X High 9X =494X
ACCESSORIES INCLUDED	Dust Cover (Rubber Eye Guards),Tension Control Pin
OPTIONAL ACCESSORIES	20x Eyepieces, Protective Lens Cover 0.5X Auxiliary lens
WEIGHT	15lbs
PACKAGE CONTENTS	SPZHT-135 Body; E-ARM Focus Mount 26800B-518; LW Articulating Arm 26800B-555; 1080P HD Camera 26100-253HD; FO Illuminator 26200A-300; FO Ring light 26200A-402; Ring light adapter 26800B-460; 22" HDMI monitor 26700-406

Part #	Description
<b>26800B-354</b>	<b>SPZHT-135 Stereo Zoom Trinocular Microscope on Stand LW w/ FOI</b>