

PACE **TECHNOLOGIES**

ZMS0745T Stereo Metallurgical Microscope

Applications:

- Metals**
- Semiconductors**
- Glass**
- Ceramics**
- Minerals**
- Composites**
- Soft Metals**
- Plastics**
- Refractory Metals**
- General metals**

ZMS0745T Metallurgical Stereo Microscope

The ZMS0745T trinocular stereo microscope has an optical design for enhancing reproduction and true color imaging of the image.

The ZMS0745T stereo microscope has a magnification range of 7X to approximately 45X and is ideal for low magnification documentation of the metallographic specimen prior to polishing and grinding. It is also very useful for measuring cracks, weld penetration depth and other topographical features.



Stereo microscope image of filler metal in a steel weld



Technical Specifications:

Feature	Specification
Total magnification	7X ~ 45X
Eyepieces (standard)	SWH10X
Zoom objective magnification	0.7X ~ 4.5X
Working distance	4.6" (118 mm)
Trinocular eyetubes	Inclined 45 degrees from main body (360 degree rotation)
Diopter adjustment	+/- 6 degrees
Interpupillary adjustment	2" ~3" (52 ~ 76 mm)
Focus range	100 mm (50 mm post)
Stage size	3" (76 mm)
Distance from post to center of focus	5" (125 mm)

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Stage with digital X-Y micrometers

Accessories

Description	Specification	Part Number
Eyepieces	SWH10X/23mm eyepiece	416-111
	SWH15X/17mm eyepiece	416-121
	SWH20X/14mm eyepiece	416-131
Eyepieces (with Divisions)	SWH10XD/23mm eyepiece with divisions	416-211
	SWH15XD/17mm eyepiece with divisions	416-221
	SWH20XD/14mm eyepiece with divisions	416-231
Digital Camera Adapter	Camera Adapter 0.5X	417-121
	Camera Adapter 1X	417-101
USB CMOS Camera	3.2 MP	MD30
Light sources	4-Division LED Light source	413-136
	Fiber optic light source (150 W)	413-227
Stage	Mechanical stage with digital X-Y micrometer	419-162



CCD camera micrometer adapter



LED Illuminator ML-144D



Fiber Optic Illuminator)

