

VM-100 **Digital Stereo** **Metallurgical** **Microscope**

Applications:

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

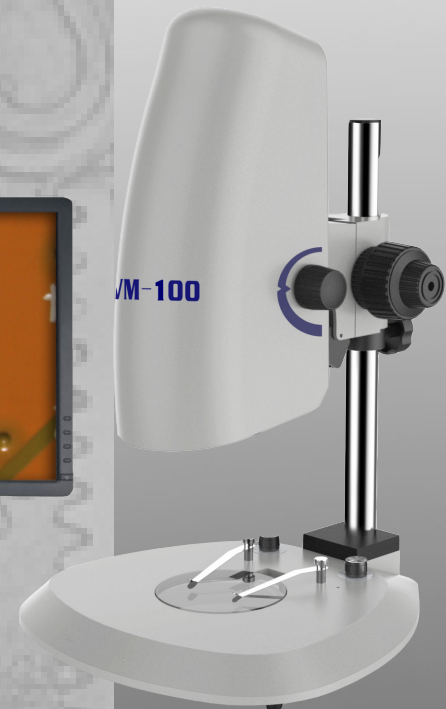
VM-100 Digital
Metallurgical Stereo
Microscope

The VM-100 digital stereo microscope (Part No. VM-100) has 0.7X ~ 4.5X electronic magnification with a zoom ratio of 6.5:1. With a built-in SD memory card, high resolution photo and video recordings are easy to obtain (includes 22-inch Full HD Widescreen LCD monitor or better - call for current screen specifications).

The VM-100 digital stereo microscope is ideal for low magnification documentation of metallographic specimens prior to polishing and grinding. It is also very useful for measuring cracks, weld penetration depth and other topographical features.

Features:

- High definition 0.7-4.5 X parallel continuous zoom lens
- Fast and easy to switch objective magnification
- Precision coarse and fine lifting system
- Adjustable LED bottom and surface illumination
- Control illumination independently
- Built-in full HD sensor and VGA integrated camera
- Camera can directly connect with the monitor
- Use SD card to take picture or record
- Simple external interface: 12V power supply input, USB/
- VGA video output and slot for SD card



Stereo microscope image of filler metal in a steel weld



Technical Specifications:

Feature	Specification
Optical Objective	0.7 X ~ 4.5X Horizontal zoom lens Zoom ratio: 6.5:1
Camera Parameter	2 million pixel (1920 x 1080) Image size: 1/2.86-inch Frames per second: 30 fps
Camera Function	White balance, brightness control, digital noise reduction Photograph and video recording VGS/USB Out put, SD card storage OSD: Comprehensive digital UI design, Wireless USB 2.0 mouse operation Cross line (Picture frozen, 10 X digital magnification)
Measuring Function	Optional PC System and measuring software can measure image in field of view
Illumination	Bottom: Adjustable LED Illumination Surface: Adjustable LED Illumination
Microscope Stand	Z-axis Travel: 150 mm Coarse/fine lifting system
Electrical Parameters	90~240 V; 50~60 Hz
Dimensions (W x D x H)	11.4 x 11 x 15.7 inches (290 x 280 x 400 mm)
Gross/ Net Weight	15 /10 lbs (7.0/ 4.7 Kg)
Part No.	VM-100

PACE[®]
TECHNOLOGII

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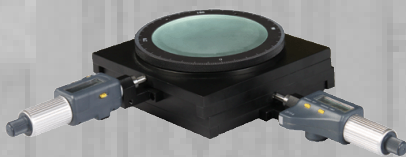
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Accessories

Description	Specification	Part Number
Light sources	Fiber optic light source (150 W)	413-227
Stage	Mechanical stage with digital X-Y micrometer	419-162



Stage with digital X-Y micrometers



Fiber Optic Illuminator)