

# **PACE<sup>®</sup>** **TECHNOLOGIES**

[www.metallographic.com](http://www.metallographic.com)

## ***VM-500*** ***Auto Focus*** ***Digital Stereo*** ***Metallurgical***

### **Applications:**

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

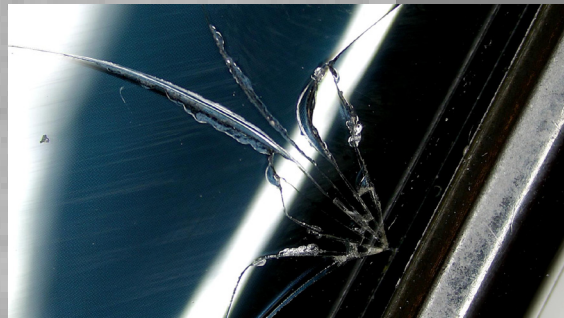
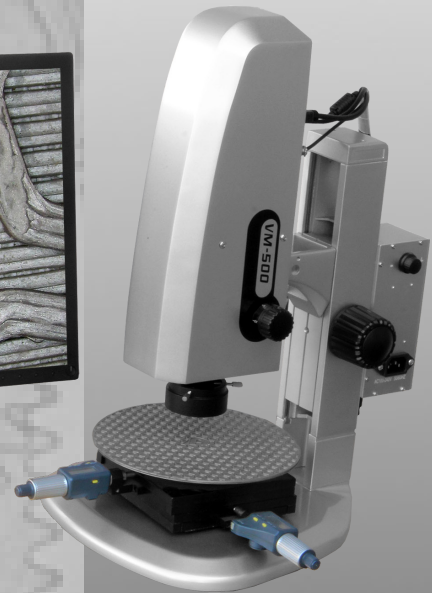
### **VM-500 Digital Metallurgical Stereo Microscope**

The VM-500 digital stereo microscope with auto focusing and built-in measurement capabilities (Part No. VM-500) has 0.7X ~ 4.5X electronic magnification with a zoom ratio of 6.5:1. 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-500 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:**

- Auto focusig
- 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
- Simple external interface: 12V power supply input, USB/ VGA video output



Stereo microscope image of cracked phone screen



## Technical Specifications:

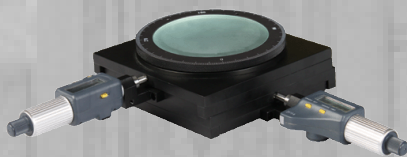
Feature	Specification
Optical Objective	0.7 X ~ 4.5X Horizontal zoom lens Zoom ratio: 6.5:1
Camera Parameter	2 million pixel (1920 x 1080) Image size: 1/2.86-inch Frames per second: 30 fps
Camera Function	White balance, brightness control, digital noise reduction Photograph and video recording VGS/USB 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<sup>®</sup>**  
**TECHNOLOGII**  
*www.metallographic.*

PACE Technologies  
3601 E. 34th St  
Tucson, AZ 85713 USA  
Phone +1 520-882-6598  
FAX +1 520-882-6599  
www.metallographic.com  
email pace@metallographic.com

## 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 )