

# MI Station

The universal optical measuring station

- 2D measurement
- Image documentation
- Measurement inspection

New 2015 model

The MI Station is equipped with a 12x zoom lens, and even in the basic version this achieves a magnification of **up to 500 times**. The high-resolution digital camera with USB 3.0 connection turns the measuring kit into a portable unit when used with a Notebook PC. The VIS 6.4 software is optimised for rapid documentation and precise 2D measurement, to determine distances, diameters, angles, areas etc. With the appropriate magnification selected, values down to the micron range can be measured. The basic version also includes a robust stand and LED-ring illumination with selectable switched segments.



## All Inclusive:

- ✓ 12x zoom lens with fine focus
- ✓ Notch-calibrated zoom adjustment
- ✓ Type ST-300 stand
- ✓ USB FULL HD camera, model DFC
- ✓ Type LR-45/90 LED ring-light with NT-II LED Controller
- ✓ VIS 6.4 software & Analysis Module

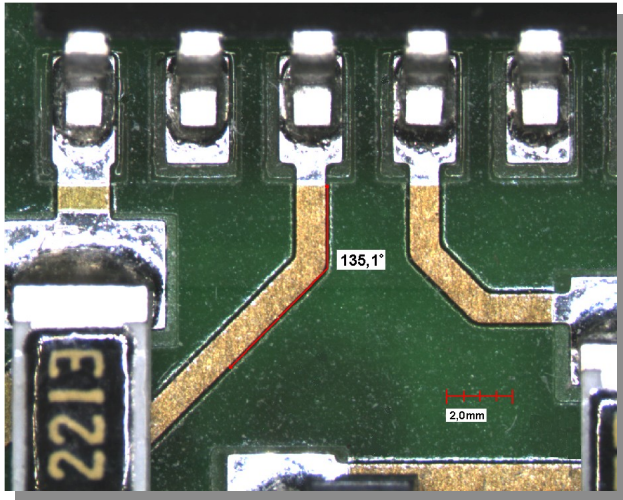
The modular video system can be extended to suit your applications:

- Coaxial and dome illumination for reflective surfaces
- Optical components to alter the magnification
- Stand with fine focus and long vertical posts
- Manual cross-tables up to 200x100 mm

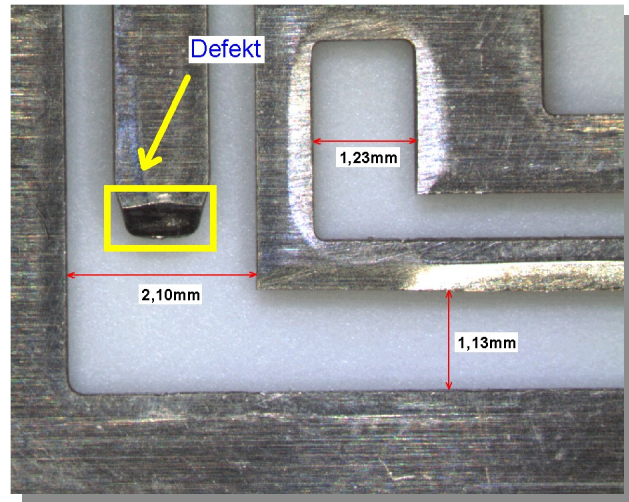


Micro Station with measurement table and large ST-500 stand

Typical applications: image processing and measurement with VIS 6.4



Printed circuit board at 45x magnification



Stamped component at 90x magnification

### Optical data for zoom lens, model 1-50486-D

Lens attachment	Tube			Depth of focus/mm
	0,67x	1,0x	2,0x	
0,5x (WD=160mm)	DF 2,5 - 30,8 V 172 - 14x M 2,0 - 25,1	1,7 - 20,7 254 - 21x 1,4 - 16,8	0,9 - 10,3 508 - 42x 0,7 - 8,4	0,20 - 6,20
w/o (WD= 86mm)	DF 1,3 - 15,4 V 332 - 28x M 1,0 - 12,6	<b>0,9 - 10,3</b> <b>508 - 42x</b> <b>0,7 - 8,4</b>	0,4 - 5,2 1004 - 83x 0,4 - 4,2	0,05 - 1,40
1,5x (WD=50mm)	DF 0,9 - 10,3 V 508 - 42x M 0,7 - 8,4	0,6 - 6,9 758 - 63x 0,5 - 5,6	0,3 - 3,5 1490 - 125x 0,2 - 2,8	0,02 - 0,64
2,0x (WD= 37mm)	DF 0,6 - 7,7 V 675 - 56x M 0,5 - 6,3	0,4 - 5,2 1004 - 83x 0,4 - 4,2	0,2 - 2,6 1963 - 166x 0,2 - 2,1	0,01 - 0,35

DF = diagonal field of view in mm

V = overall magnification with image output to a 17" monitor

M = maximum achievable measurement resolution in microns

Basic version = marked in red

### Technical data:

<b>Digital camera DFC-236</b>	1/3" CCD colour camera, USB 3.0 connection, 1920 x 1080 pixel resolution, 54 image/sec.
<b>Zoom lens 1-50486-D</b>	12x zoom factor (optical magnification 0.58x to 7.0x) with notch-calibrated scale and built-in fine focus (for details see table above)
<b>Stand ST-300</b>	Incident light stand with focusing bracket 280 mm (W) x 300 mm (D) x 321 mm (H), 300mm vertical pillars
<b>LED Ring-light</b>	
Ring-light	LR-45/90 white (17000Lux) with focussing lens
Power supply	Digital controller NT-II, switchable in segments and PC control, 230VAC input
<b>VIS 6.0 software</b>	Image documentation and measuring module for Windows XP, Vista and WIN-7

**All-inclusive delivery package covers the above products; prices net, excludes shipping charges and VAT**