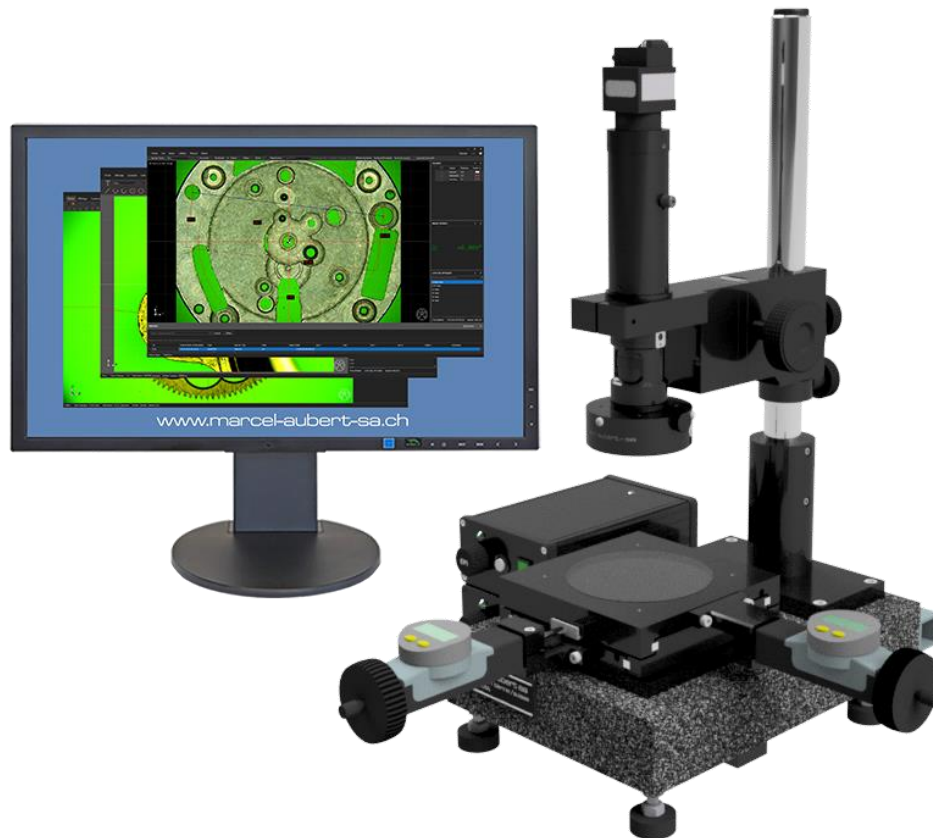




OpenSYS 50

Video measuring system

MA 183



This entry-level system offers great ease of measurement. Its small size and weight makes it particularly practical in a workshop. Its simplicity of use is an asset for any operator.

- Granit base.
- Manual X-Y table.
- Quick-displacement Z column.
- Digital micrometers.
- Zoom-optics with indexes.
- 3.2 Mpx USB 3.0 color camera.
- LED circular illuminator.
- Computer with 27" monitor.
- Wide choice of measuring and comparison software.

Technical specifications



OpenSYS 50

X-Y table range [mm]	50x50 manual
Table precision [mm]	0.005 / 50
Z column range [mm]	230
Digital micrometers X-Y axis	Sylvac
Weight (kg)	19
Dimensions column lowered (W x D x H) [mm]	460 x 460 x 530

Optical choice 1

Camera	Color 3.2 Mpx USB 3.0
Optics	12X zoom / 8 indexes with or without coaxial illuminator
Magnifications *	25X to 310X
Fields of view [mm]	18.3 x 13.7 to 1.5 x 1.1
Pixel resolution [μm] **	8.9 to 0.7
Focal length [mm]	86

Optical choice 2

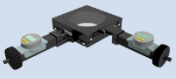
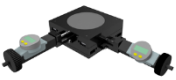


Camera	Color 3.2 Mpx USB 3.0
Optics	6.5X zoom / 4 indexes with or without coaxial illuminator
Magnifications *	30X to 200X
Fields of view [mm]	15.1 x 11.4 to 2.4 x 1.8
Pixel resolution [μm] **	7.4 to 1.1
Focal length [mm]	92

* = Indicated magnifications are calculated on 27" monitor and may be reduced by up to 12% according to the software configuration.

** = Camera pixel size / (sensor size / field of view)

Software				
Functions	VideoPIC 	VideoDOC 	VideoRET Plus 	M3 FOV 
Displaying a reticle / cross	✓	✓	✓	✓
Saving an image	✓	✓	✓	✓
Saving measurements	-	✓	✓	✓
Measuring / displaying angles	-	✓	✓	✓
Distance measurement	-	✓	✓	✓
Importing and comparing DXF drawing	-	-	✓	✓
Diameter and radius measurement	-	✓	✓	✓
Measurement protocol	-	✓	-	✓
Displaying and moving up to 2 pairs of lines	-	-	-	-
Displaying and moving up to 3 pairs of lines	-	-	-	-

Variants

	Table 50x50 manual (Precision 0.01mm / 50mm) MA 143-5-006		Rotary table 50x50 manual (Precision 0.01mm / 50mm) MA 143-5-008
	Table 50x50 manual (Precision 0.005mm / 50mm) MA 143-6-011		Rotary table 50x50 manual (Precision 0.005mm / 50mm) MA 143-6-012
	Table 25x25 manual (Precision 0.005mm / 25mm) MA 142-2-004		Precision column (Precision 0.030mm / 100mm) MA 173-S...

Options

	Concentricity measuring tool MA 143-007-02		Crocodile-pliers on round support MA 143-010-01
	Rotary table MA 143-5-70G		Clamp with parallel jaws on round support MA 143-010-02
	T-slot MA 143c-002 (not for rotary tables)		Collet holder on round support MA 143-010-03
	Vice (capacity 15mm) MA 143b-004		V-block with spring clip on round support MA 143-010-04
	Adjustable vice (capacity 15mm) MA 143b-005		