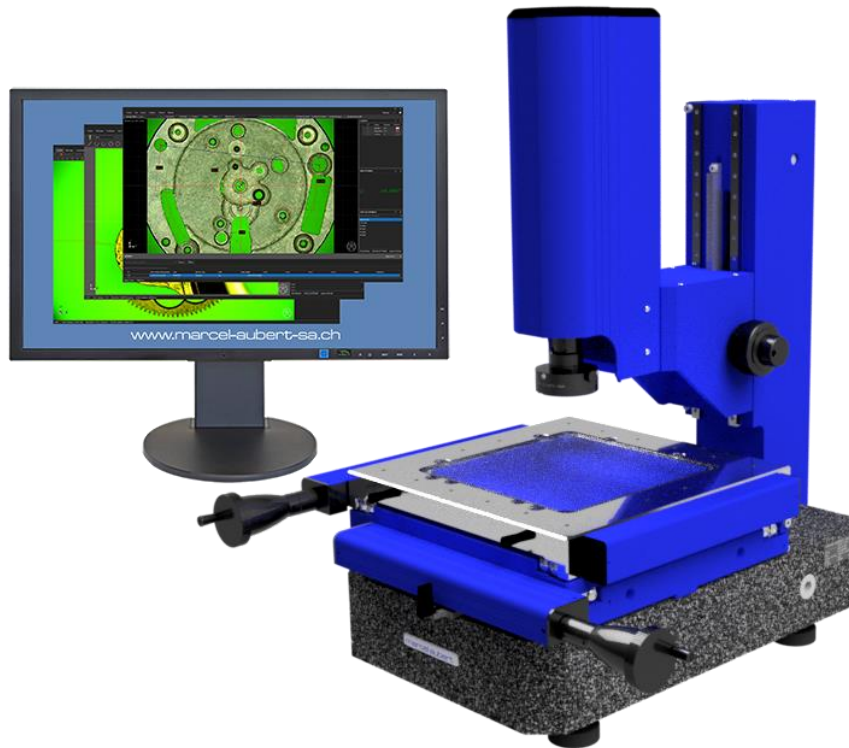




# Premium 150 / 200 / 300

Video measuring system

MA 185, MA 186 & MA 187



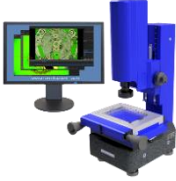
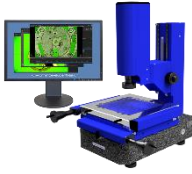
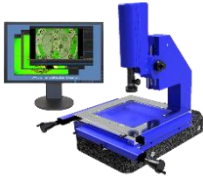
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Versatile workshop measuring machine for fast and reliable optical measurement on different fields of view. This version allows for large capacity measurements of up to 300 x 300mm. A wide choice of lenses, zooms with appropriate lighting solutions, optimizes the cost of the equipment while meeting the most demanding applications.

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- Granit base.
- Manual X-Y table.
- Manual precision Z column.
- Zoom-optics with indexes.
- 3.2 Mpx USB 3.0 color camera.
- LED circular illuminator.
- Computer with 27" monitor.
- Glass chromium deposit calibration ruler.
- Wide choice of measuring and comparison software.

## Technical specifications

	 Premium 150	 Premium 200	 Premium 300
X-Y table range [mm]	150x100 manual	200x200 manual	300x300 manual
Table precision [mm]	0.005 / 100		
Z column range [mm]	130 manual	180 manual	150 manual
Column precision [mm]	0.030 / 100		
X-Y axis rulers	Heidenhain (Display resolution : 0.001mm)		
Z axis rulers	Heidenhain (Display resolution : 0.001mm)		
Maximum height of part to measure [mm]	120	160	130
Weight (kg)	60	110	250
Dimensions column lowered (W x D x H) [mm]	460 x 650 x 780	635 x 730 x 790	805 x 1030 x 810

### Optical choice 1

Camera	Color 3.2 Mpx USB 3.0		
Optics	12X zoom / 8 indexes		
Magnifications *	25X to 310X		
Fields of view [mm]	18.3 x 13.7 to 1.5 x 1.1		
Pixel resolution [ $\mu\text{m}$ ] **	8.9	to	0.7
Focal length [mm]	86		

### Optical choice 2

Camera	Color 3.2 Mpx USB 3.0		
Optics	12X zoom / 8 indexes		
Magnifications *	40X to 470X		
Fields of view [mm]	12.2 x 9.2 to 1 x 0.8		
Pixel resolution [ $\mu\text{m}$ ] **	5.9	to	0.5
Focal length [mm]	86		

### Optical choice 3

Camera	Color 3.2 Mpx USB 3.0		
Optics	6.5X zoom / 4 indexes		
Magnifications *	30X to 180X		
Fields of view [mm]	15.1 x 11.4 to 2.4 x 1.8		
Pixel resolution [ $\mu\text{m}$ ] **	7.4	to	1.1
Focal length [mm]	92		

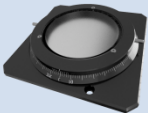
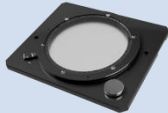

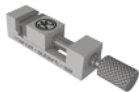

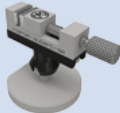




\* = Indicated magnifications are calculated on 27" monitor and may be reduced by up to 12% according to the software configuration.

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

Software					
Functions	VideoPLAN	M3	VideoRET Plus	VideoDOC	VideoPIC
					
Displaying a reticle / cross	✓	✓	✓	✓	✓
Saving an image	✓	✓	✓	✓	✓
Saving measurements	✓	✓	✓	✓	-
Measuring / displaying angles	✓	✓	✓	✓	-
Distance measurement	✓	✓	✓	✓	-
Depth measurement	✓	✓	-	-	-
Importing and comparing DXF drawing	✓	✓	✓	-	-
Diameter and radius measurement	✓	✓	✓	✓	-
Measurement protocol	✓	✓	✓	✓	-
Display of X and Y axis	✓	✓	-	-	-
Display of Z axis	✓	✓	-	-	-
Automatic measurement by image processing	-	✓	-	-	-
Displaying and moving up to 2 pairs of lines	-	-	-	-	-
Displaying and moving up to 3 pairs of lines	-	-	-	-	-

Choice of axis display					
Axis Display	-	-	✓	✓	✓
<b>Mx100</b>	-	-	✓	✓	✓
<b>Mx200</b>	-	-	✓	✓	✓

## Options

	<p><b>Aluminum rotary table with graduation</b> MA 145-16-75G (150)</p>		<p><b>Aluminum rotary table</b> MA 146-16-75G (200)</p>
	<p><b>Crocodile-pliers on round support</b> MA 143-010-01</p>		<p><b>Vice (capacity 15mm)</b> MA 143b-004</p>
	<p><b>Clamp with parallel jaws on round support</b> MA 143-010-02</p>		<p><b>Adjustable vice (capacity 15mm)</b> MA 143b-005</p>
	<p><b>Collet holder on round support</b> MA 143-010-03</p>		<p><b>Digital display Mx100</b> MCA-300-101</p>
	<p><b>V-block with spring clip on round support</b> MA 143-010-04</p>		<p><b>Digital calculator Mx200</b> MCA-300-201</p>