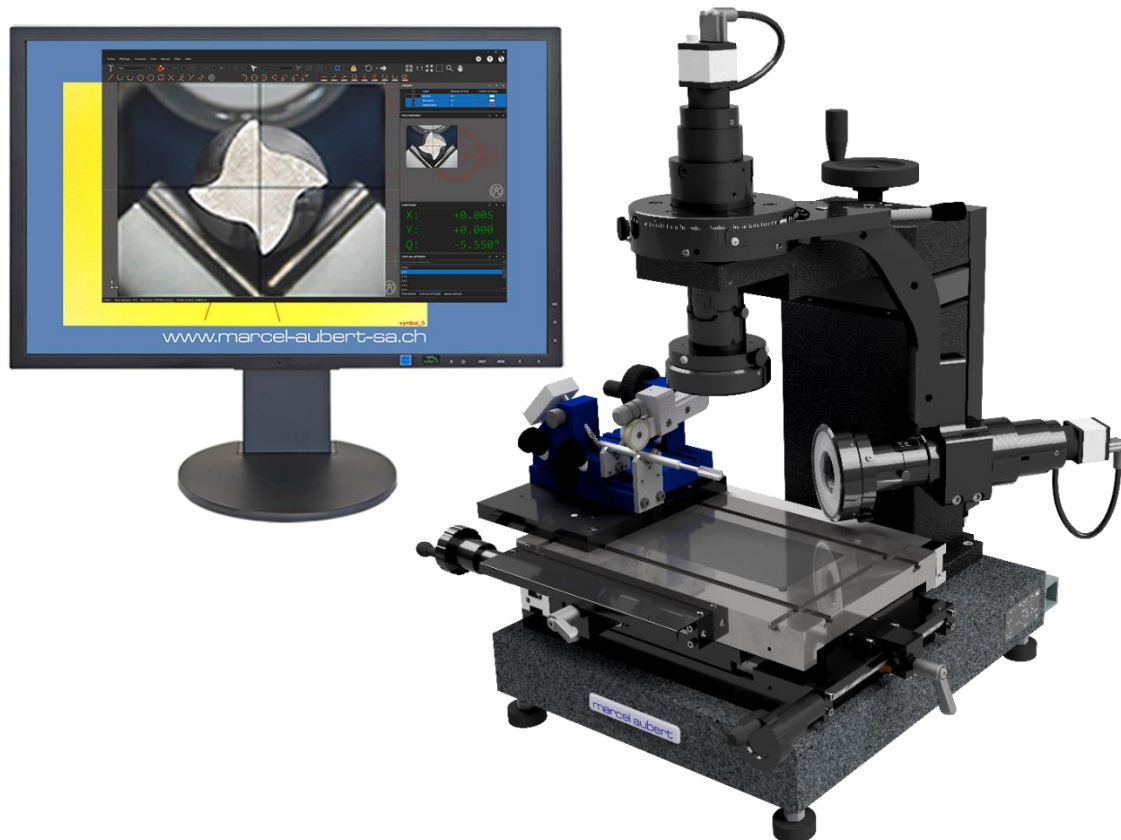




Rotatif 150 / 200

Video measuring system



MA 185, MA 186



This special machine is designed specifically to measure cutting tools. Vertical optics are used to measure diameters and lengths of a rotating tool. Horizontal optics measure the tool and stabilize the orientation of the tool. The second horizontal optics turn around the fixed tool allowing the measurements of different angles with great reliability.

- Granit base.
- Manual X-Y table.
- Manual precision Z column.
- Zoom-optics with 8 indexes.
- 2.3 Mpx USB 3.0 color camera.
- Concentricity measuring tool.
- LED circular illuminator.
- Computer with 27" monitor.
- Glass chromium deposit calibration ruler.
- Wide choice of measuring and comparison software.

Technical specifications

	 Rotatif 150	 Rotatif 200
X-Y table range [mm]	150x70 manual	200x100 manual
Table precision [mm]	0.003 / 100	
Z column range [mm]	150	
Column precision [mm]	0.030 / 100	
X-Y axis rulers	Heidenhain (Display resolution : 0.001mm)	
Z axis rulers	Heidenhain (Display resolution : 0.001mm)	
Weight (kg)	57	105
Dimensions column lowered (W x D x H) [mm]	575 x 440 x 550	555 x 515 x 595

Optical choice 1

Camera	Color 2.3 Mpx USB 3.0
Optics	12X zoom / 8 indexes
Magnifications *	40X to 460X
Fields of view [mm]	14.7 x 9.2 to 1.2 x 0.8
Pixel resolution [μm] **	7.6 to 0.6
Focal length [mm]	86

Optical choice 2

Camera	Color 2.3 Mpx USB 3.0
Optics	12X zoom / 8 indexes
Magnifications *	80X to 925X
Fields of view [mm]	7.3 x 4.6 to 0.6 x 0.4
Pixel resolution [μm] **	3.9 to 0.3
Focal length [mm]	37




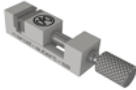
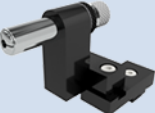
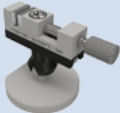
* = Indicated magnifications are calculated on 27" monitor and may be reduced by up to 12% according to the software configuration.

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

Software

Functions	
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	✓
Automatic measurement by image processing	-
Display of X and Y axis	✓
Display of Z axis	✓
Display axis with digital display Mx100	-
Display axis with digital calculator Mx200	-

Options

	<p>Crocodile-pliers for T-slot MA 145b (150) MA 146b (200)</p>		<p>V-block with spring clip for T-slot MA 145c (150) MA 146c (200)</p>
	<p>Clamp with parallel jaws for T-slot MA 145b-001 (150) MA 146b-001 (200)</p>		<p>Vice (capacity 15mm) MA 143b-004 (150 / 200)</p>
	<p>Collet holder for T-slot MA 145bZ (150) MA 146bZ (200)</p>		<p>Adjustable vice (capacity 15mm) MA 143b-005 (150 / 200)</p>

Variants

	<p>Digital display Mx100 MCA-300-101 (150 / 200)</p>		<p>Digital calculator Mx200 MCA-300-201 (150 / 200)</p>
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