



Optimum GC 150

Video measuring system

MA 185-305



This versatile workshop measurement system with carbon fairing offers great flexibility in the workplace thanks to its improved ergonomics. The extremely high stability of the Z-axis column is optimized for measurement on panoramic images, composed using the “image integration” (or “stitching”) function. The Optimum GC meets the most demanding applications thanks to its wide choice of zoom optics for very high magnifications and very high resolutions.

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

Technical specifications



X-Y table range [mm]	150x70 manual
Table precision [mm]	0.003 / 100
Z column range [mm]	140 manual
Column precision [mm]	0.020 / 100
X-Y axis rulers	Heidenhain (Display resolution : 0.001mm)
Weight (kg)	70
Dimensions column lowered (W x D x H) [mm]	590 x 640 x 750

Optical choice 1

Camera	Color 3.1 Mpx USB 3.0
Optics	12.5X detent zoom
Magnifications *	25X to 335X
Fields of view [mm]	18.2 x 13.7 to 1.4 x 1.1
Pixel resolution [μm] **	8.9 to 0.7
Focal length [mm]	77.4

Optical choice 2

Camera	Couleur 3.1 Mpx USB 3.0
Optics	Zoom 12.5X detent
Magnifications *	40X to 505X
Fields of view [mm]	12.2 x 9.1 to 0.9 x 0.7
Pixel resolution [μm] **	6.0 to 0.5
Focal length [mm]	77.4

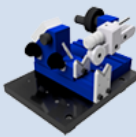
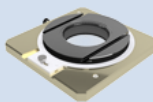
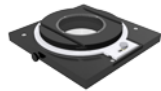
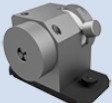
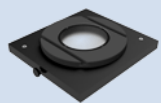
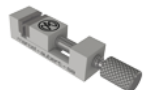
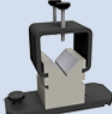
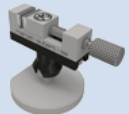
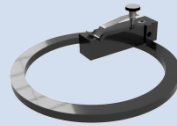
* = Indicated magnifications are calculated on 27" monitor and may be reduced by up to 12% according to the software configuration.

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



Software		
Functions	VideoPLAN 	M3 
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	-	✓

Options

	Concentricity measuring tool for T-slot MA 145-003-02		Cast iron rotary table with graduation MA 145-15-70G
	Concentricity control for T-slot MA 145r		Aluminum rotary table with graduation MA 145-16-70G
	Manual divider for T-slot MA 145d		Aluminum rotary table MA 145-16-70
	±15° rotating between centers clamping bracket for T-slot MA 145a		Vice (capacity 15mm) MA 143b-004
	Prism with clamping flange for T-slot MA 145e		Adjustable vice (capacity 15mm) MA 143b-005
	Crocodile-pliers for T-slot MA 145b		Crocodile-pliers on round support MA 143-010-01
	Clamp with parallel jaws for T-slot MA 145b-001		Clamp with parallel jaws on round support MA 143-010-02
	Collet holder for T-slot MA 145bZ		Collet holder on round support MA 143-010-03
	V-block with spring clip for T-slot MA 145c		V-block with spring clip on round support MA 143-010-04