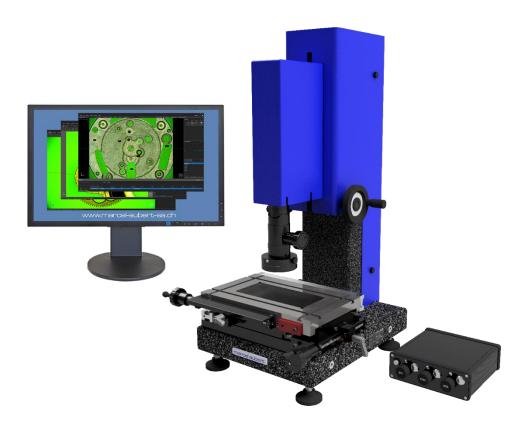


Optimum GL 150

Video measuring system **MA 185**



This versatile enclosed workshop measuring machine offers great flexibility in the workplace thanks to improved ergonomics. The very high stability of the Z-axis column is optimized for measurements on panoramic images, composed using the "integrated image" (or "stitching") function.

The Optimum GL meets the most demanding applications thanks to its wide choice of zoom-optics for very high magnifications or telecentric optics with very large depths of field.

- 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.

optimumg|150\$18_en.docx 1/4

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			
XYZ axis rulers	Heidenhain (Display resolution : 0.001mm)			
Weight (kg)	108			
Dimensions column lowered (W x D x H) [mm]	520 x 620 x 780			

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)

optimumgl150\$18_en.docx 2/4

Software				
Functions	VideoPLAN	M3		
Displaying a reticle / cross	V	•		
Saving an image	V	•		
Saving measurements	V	•		
Measuring / displaying angles	V	•		
Distance measurement	V	•		
Depth measurement	V	•		
Importing and comparing DXF drawing	V	•		
Diameter and radius measurement	V	•		
Measurement protocol	V	•		
Display of X and Y axis	V	V		
Display of Z axis	V	•		
Automatic measurement by image processing	-	•		

optimumgl150\$18_en.docx 3/4

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		
10	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	5	Adjustable vice (capacity 15mm) MA 143b-005		
	Crocodile-pliers for T-slot MA 145b	3	Crocodile-pliers on round support MA 143-010-01		
	Clamp with parallel jaws for T-slot MA 145b-001	Ö	Clamp with parallel jaws on round support MA 143-010-02		
1	Collet holder for T-slot MA 145bZ	3	Collet holder on round support MA 143-010-03		
	V-block with spring clip for T-slot MA 145c	Ö	V-block with spring clip on round support MA 143-010-04		

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optimumgl150\$18_en.docx 4/4