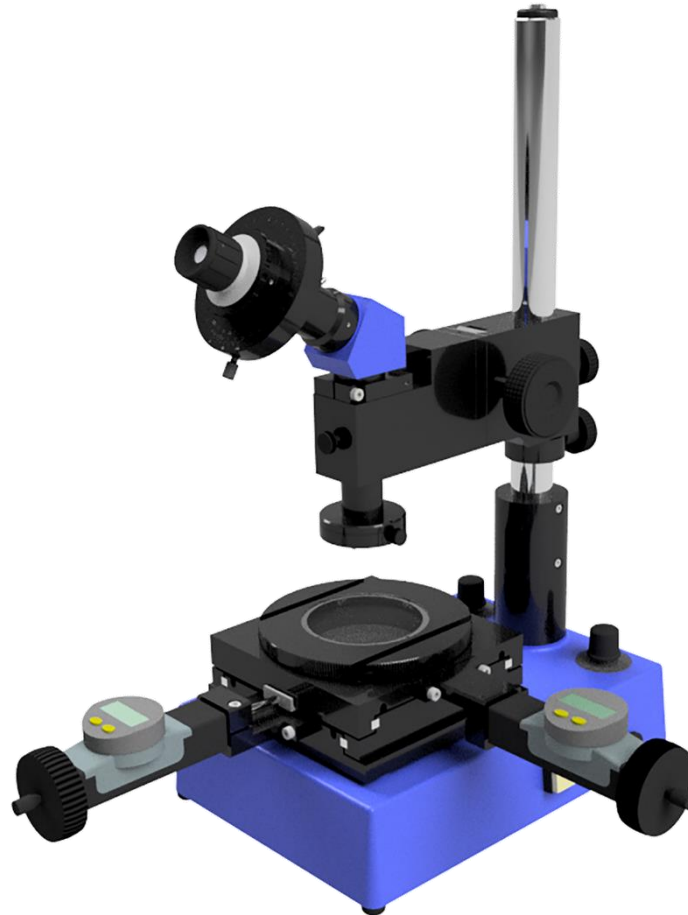




OpenMIC 25 / 50 Compact

Microscope measuring system

MA 331



This analog system is a low-cost alternative for measuring small parts while requiring a very good image quality and X-Y table. This system is compact thanks to its lighting power supply integrated in the base.

- Cast iron base.
- Manual X-Y table.
- Integrated rotary table.
- Digital micrometers.
- Quick-displacement Z column.
- Observation angle 120°.
- 360° goniometer and 5° vernier.
- Wide choice of reticles available.
- 100% LED illuminators.
- Magnification choices.

Technical specifications		
		
	OpenMIC 25 Compact	OpenMIC 50 Compact
X-Y table range [mm]	25x25 manual	50x50 manual
Table included	MA 142-2-004 with rotary table	MA 143-5-008 with rotary table
Table precision [mm]	0.005 / 25mm	0.01 / 50mm
Z column range [mm]	230	
Digital micrometers X-Y axis	Sylvac	
Included reticle	R1	
Weight (kg)	10	
Dimensions column lowered (W x D x H) [mm]	300 x 400 x 410	

Magnification choice	Field of view Ø	Working distance
10X	13.8 mm	~55 mm
20X	6.9 mm	~50 mm
25X	5.5 mm	~51 mm
30X	4.6 mm	~54 mm
50X	2.7 mm	~48 mm
100X	1.3 mm	~28 mm

Reticles											
	R 1	R 1-2	R 1-4	R 1-4-1	R 1-8	R 3	R 4	R 3-4 / R-M	R-M-11	R-M-12	R-M-17
	R 1-1							R-M-1 / R-M-6			
10X	0.5			0.1		0.5		0.125		0.1	
12.5X					0.1		0.15	0.1			0.05
15X		0.2					0.125				
20X	0.25		0.05	0.05		0.25				0.05	
25X	0.2				0.05	0.2	0.075	0.05			0.025
30X		0.1									
40X			0.025								
42X									0.02		
50X	0.1					0.1		0.025		0.02	0.0125
62.5X							0.03	0.02			0.01
100X	0.05					0.05		0.0125		0.01	
125X								0.01			0.005
This table shows the space (in mm) between two circles or between two division lines. Practical divisions can be obtained for the other reticles by adjusting the magnification. The reticles are not interchangeable.											

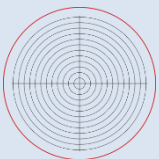
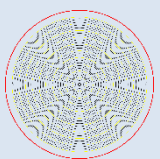
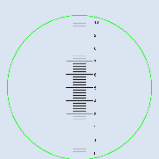
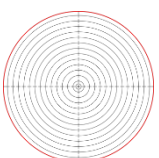
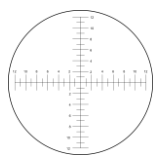
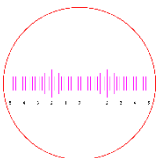
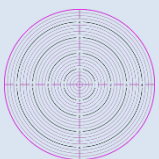
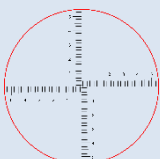
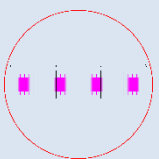
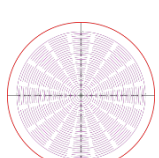
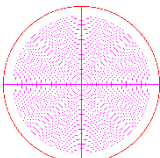
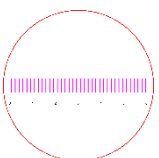
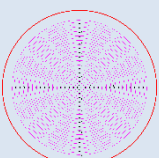
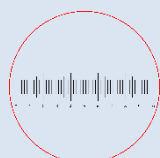
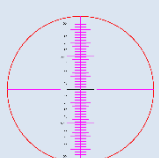
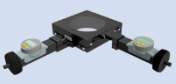
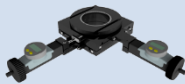
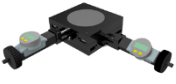
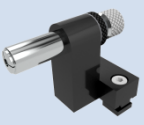
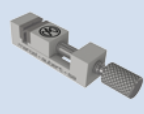
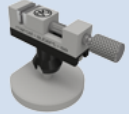
	R 1 Cross 12 circles		R 1-8 Cross 50 circles		R-M-1 100 vertical divisions
	R 1-1 Cross 14 circles		R 3 Cross graduation		R-M-6 Cross 100 horizontal divisions
	R 1-2 Cross 23 circles		R 3-4 Cross graduation		R-M-11 150 horizontal divisions
	R 1-4 Cross 30 circles		R 4 Cross 32 circles		R-M-12 120 horizontal divisions
	R 1-4-1 Cross 60 circles		R-M 100 horizontal divisions		R-M-17 200 vertical divisions

Table variants

	Manual 50x50 table (Precision 0.01mm / 50mm) MA 143-5-006		Manual 50x50 table with rotary table (included) (Precision 0.01mm / 50mm) MA 143-5-008
	Manual 50x50 table (Precision 0.005mm / 50mm) MA 143-6-011		Manual 50x50 table with rotary table (Precision 0.005mm / 50mm) MA 143-6-012

Options

	Crocodile-pliers for T-slot MA 143b		Crocodile-pliers on round support MA 143-010-01
	Clamp with parallel jaws for T-slot MA 143b-001		Clamp with parallel jaws on round support MA 143-010-02
	Collet holder for T-slot MA 143bZ		Collet holder on round support MA 143-010-03
	V-block with spring clip for T-slot MA 143c		V-block with spring clip on round support MA 143-010-04
	Vice (15mm capacity) MA 143b-004		Adjustable vice (15mm capacity) MA 143b-005