

MikroCAD SERIES

3D INSPECTION SCANNERS

Measure and quantify microscale surface structures and geometries with the MikroCAD series of structured light projection scanners. A compact design, standard cabling, and powerful software make integration and adoption easy. Ten models provide a range of resolutions and measurement volumes for a wide variety of industrial metrology applications.

- HIGH ACCURACY
- REPEATABILITY
- HIGH SPEED
- EASY INTEGRATION

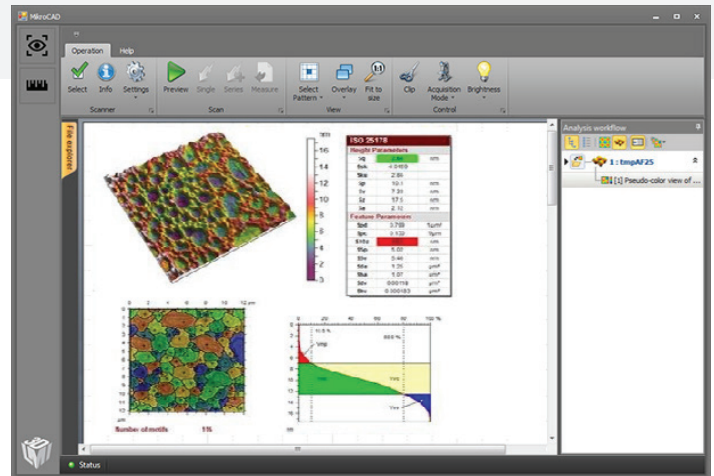


MEASUREMENTS AT MICRON AND SUBMICRON LEVEL

MikroCAD scanners quickly and accurately provide production and R&D metrology on surfaces down to the submicron-level, enabling the finest quality control and small parts inspection available.

POWERFUL SOFTWARE

The included measurement and analysis software enables efficient implementation of metrology and transformation of data into concrete, meaningful results in minutes. Multiple export formats are supported. A modularized approach to specialized measurement needs allows for application-specific customization.



MikroCAD software with built-in MountainsMap surface topology analysis

FLEXIBILITY

The extensive line of MikroCAD scanners provides models to cover all measurement scenarios, including handheld use for spot-checking, in-lab use for R&D, and production line integration for robust inspection, reducing costs in all manner of scenarios.

MikroCAD Lite				
Measurement Volume (mm)	1.8x1.2x1	5x3x2	13x8x5	45x30x20
Camera Resolution	VGA	VGA	VGA	VGA
Point-to-point Distance (microns)	2.4	6.6	17.3	61
Resolution Z (microns)	0.2	0.7	2	6
Measurement Time (seconds)	2	2	2	2
Clearance Distance (CD) (mm)	30	41	105	80
Light Source	White LED	Blue LED	Blue LED	Blue LED
Package	Stand Mount	Stand Mount	Stand Mount	Stand Mount
Dimensions - LWH (cm)	13x6x15	23x6x13	23x6x13	23x6x13
Weight (kg)	0.87	0.95	1.2	1.2

MikroCAD Premium and Plus	Premium					Plus
Measurement Volume (mm)	1.6x1.2x0.8	13x10x3	26x20x6	140x105x30	320x240x80	1.7x1.4x0.5
Camera Resolution	1.2 MP	2 MP	2 MP	2 MP	2 MP	5 MP
Point-to-point Distance (microns)	1.2	8	16.3	87	200	0.7
Resolution Z (microns)	0.1	1	2	9	20	.05
Measurement Time (seconds)	7.5	6	6	6	6	10
Clearance Distance (CD) (mm)	30	90	80	310	900	34
Light Source	Blue LED	Blue LED	External Blue LED	Blue LED	Blue LED	UV LED
Package	Stand Mount	Stand Mount	Stand Mount	2-Piece Stand Mount	2-Piece Stand Mount	2-Piece Stand Mount
Dimensions - LWH (cm)	13x5.5x16	23x13x26	31x12x32	42x13x30	55x13x30	26x14x32
Weight (kg)	1	2.8	4.5	6.5	6.5	2.8

All MikroCAD Models	
PC Operating System	Windows 7
Input Voltage (Power)	110 - 230 V, AC
Operating Temperature	5° C - 45° C, non-condensing
Scanning Software	MikroCAD scanning and analysis software (application-specific options available)

Contact LMI Technologies for models not on datasheet.

MikroCAD Lite



LWH: 13x6x15
MV: 1.8x1.2x1



LWH: 23x6x13
MV: 5x3x2
13x8x5
45x30x20



LWH: 13x5.5x16
MV: 1.6x1.2x0.8

MikroCAD Premium



LWH: 23x13x26
MV: 13x10x3



LWH: 31x12x32
MV: 26x20x6



LWH: 42x13x30
55x13x30
MV: 140x105x30
320x240x80

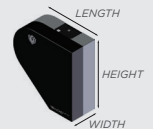
MikroCAD Plus



LWH: 26x14x32
MV: 1.7x1.4x0.5

LEGEND

LWH = Length,
Width, Height (cm)
MV = Measurement
Volume (mm)



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