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. Six models provide a range of resolutions and measurement volumes for a wide variety of industrial metrology applications.

- **HIGH ACCURACY**
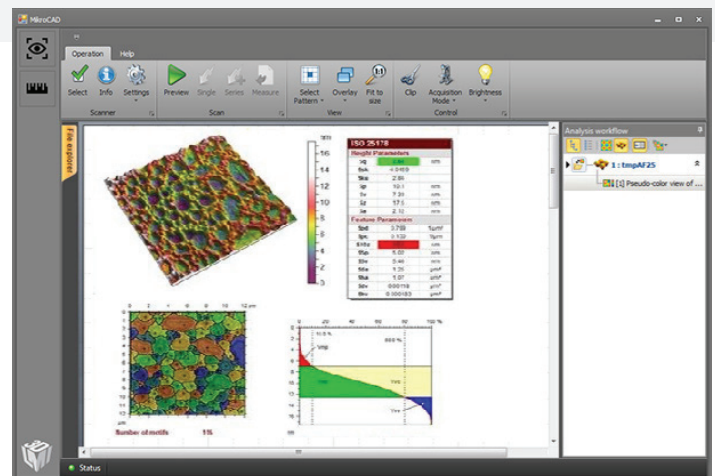- **REPEATABILITY**
- **HIGH SPEED**
- **EASY INTEGRATION**

MikroCAD Premium

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 allows for application-specific customization.

MikroCAD software with built-in MountainsMap surface topology analysis

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

MikroCAD Models	lite	premium			plus
Field of View (mm)	1.6x1.2	1.6x1.2	13x10	80x60	140x105	1.7x1.4
Measurement Range (mm)	0.8	0.8	3	30	30	0.5
Resolution X (microns)	2.4	1.2	8	50	87	0.7
Resolution Z (microns)	0.2	0.1	1	5	9	.07
Measurement Time (seconds)	4	7.5	6	6	6	10
Clearance Distance (CD) (mm)	26	26	85	283	230	33
Interface	Ethernet	Ethernet	FireWire B + USB	FireWire B + USB	FireWire B + USB	FireWire B + USB
Light Source	Blue LED	Blue LED	Blue LED	Blue LED	Blue LED	UV LED
Package	Stand Mount	Stand Mount	Stand Mount	2-Piece Stand Mount	2-Piece Stand Mount	Stand Mount
Dimensions - LWH (cm)	13x5.5x16	13x5.5x16	23x13x26	42x13x30	42x13x30	26x14x32
Weight (kg)	1	1	2.8	6.5	6.5	2.8

All MikroCAD Models	
PC Operating System	Windows 7 (64-bit)
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)

MikroCAD *lite*

MikroCAD *premium*

FOV: 1.6x1.2
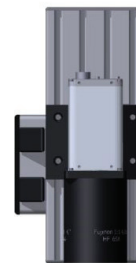
FOV: 1.6x1.2

FOV: 13x10

FOV: 80x60 140x105
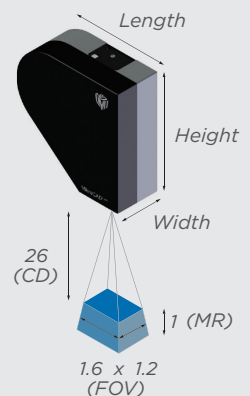
MikroCAD *plus*

FOV: 1.7x1.4

LEGEND

FOV = Field of View (mm)

MR = Measurement Range (mm)

CD = Clearance Distance (mm)

FOV, MR & CD not to scale / in proportion

Length

Height

Width

26 (CD)

1 (MR)

1.6 x 1.2 (FOV)

GoMeasure3D is an authorized distributor of the MikroCAD scanners.

GOMEASURE3D

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