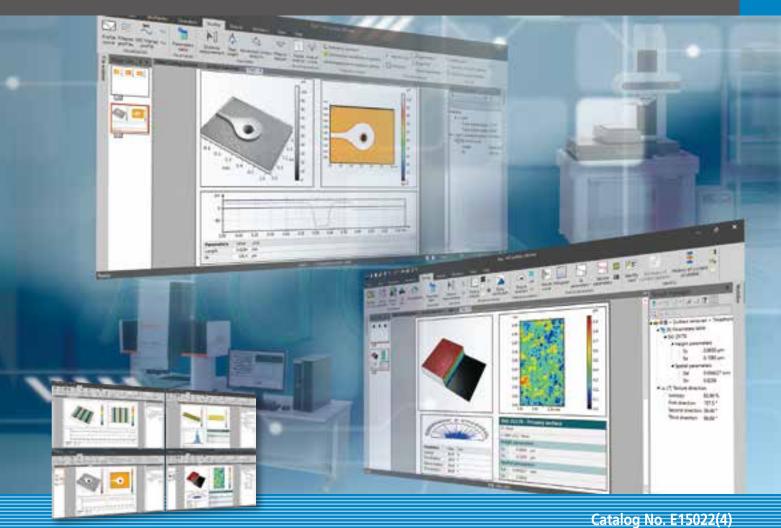




3D Surface Analysis Software MCubeMap



3D Surface Analysis Software

MCubeMap

MCubeMap is 3D surface analysis software for surface roughness and vision measuring machines.

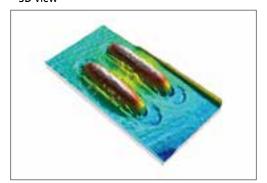
Clear imaging of analyzed data using diverse computer graphics technologies.

Extensive data operations and analysis features

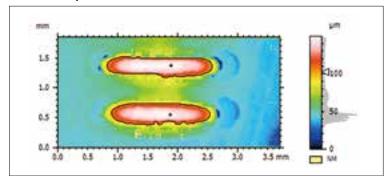
Enables leveling, fill-in of non-measured points, form removal, BAC, peak distribution, lead (twist) analysis*, fractal analysis, and analysis of hole/peak volume, surface texture direction, etc.

* Measuring machine specifications are to be confirmed separately

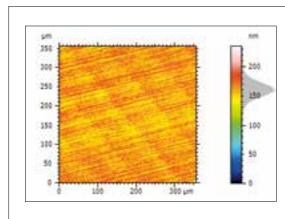
• 3D view

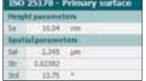


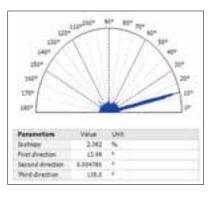
Particle analysis



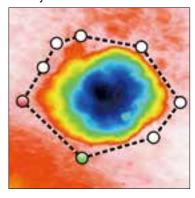
Surface texture direction



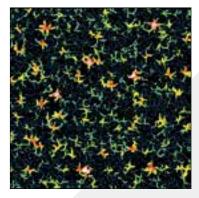




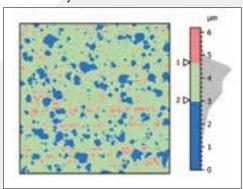
Valley volume



Groove



Profile analysis





Inspection Certificate Creation Feature

Compliant with **ISO 25178** 3D surface texture parameter specifications, enables easy creation of reports with graphics and flexible layout of analysis results.

Conforming to ISO 25178-2 3D surface texture parameter specifications

ISO 25178				
Height parameters				
Sq	Root mean square height			
Ssk	Skewness			
Sku	Kurtosis			
Sp	Maximum peak height			
Sv	Maximum pit height			
Sz	Maximum height			
Sa	Arithmetic mean height			
Functional parameters				
Smr	Areal material ratio			
Smc	Inverse areal material ratio			

MCubeMap software configuration

Analysis many	Edition			
Analysis menu	Ultimate	Extend	Standard	Lite
Pseudo-color view	V	V	✓	✓
3D view	V	✓	✓	✓
Primary profile	✓	✓	✓	✓
Distance measurement	✓	✓	✓	✓
Particle analysis (Island)	V	_	_	_
Groove	V	'	✓	_
Valley volume	✓	✓	✓	✓
Surface texture direction	✓	✓	✓	_
Average power spectral density	V	'	_	_
Bearning area curve	V	✓	✓	V
Profile analysis	V	· ·	· ·	V

Measuring systems compatible with this software

Form Measu	Vision Measuring Systems					
CNC Surface Roughness Measuring System CNC Surface Roughness/Contour Measuring Systems Contour and Surface Roughness Measuring Systems FORMTRACER Avant Series CNC Surface Roundness/Cylindricity Measuring Systems ROUNDTRACER EXTREME		Non-contact 3D Measuring System				
SV-3000CNC SV-C4500CNC SV-M3000CNC FTA-53000 FTA-D4000 RTX-0605-A	CS-5000CNC CS-H5000CNC	QVWLI Pro				



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



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All product information contained in this brochure is current as of June 2023.



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