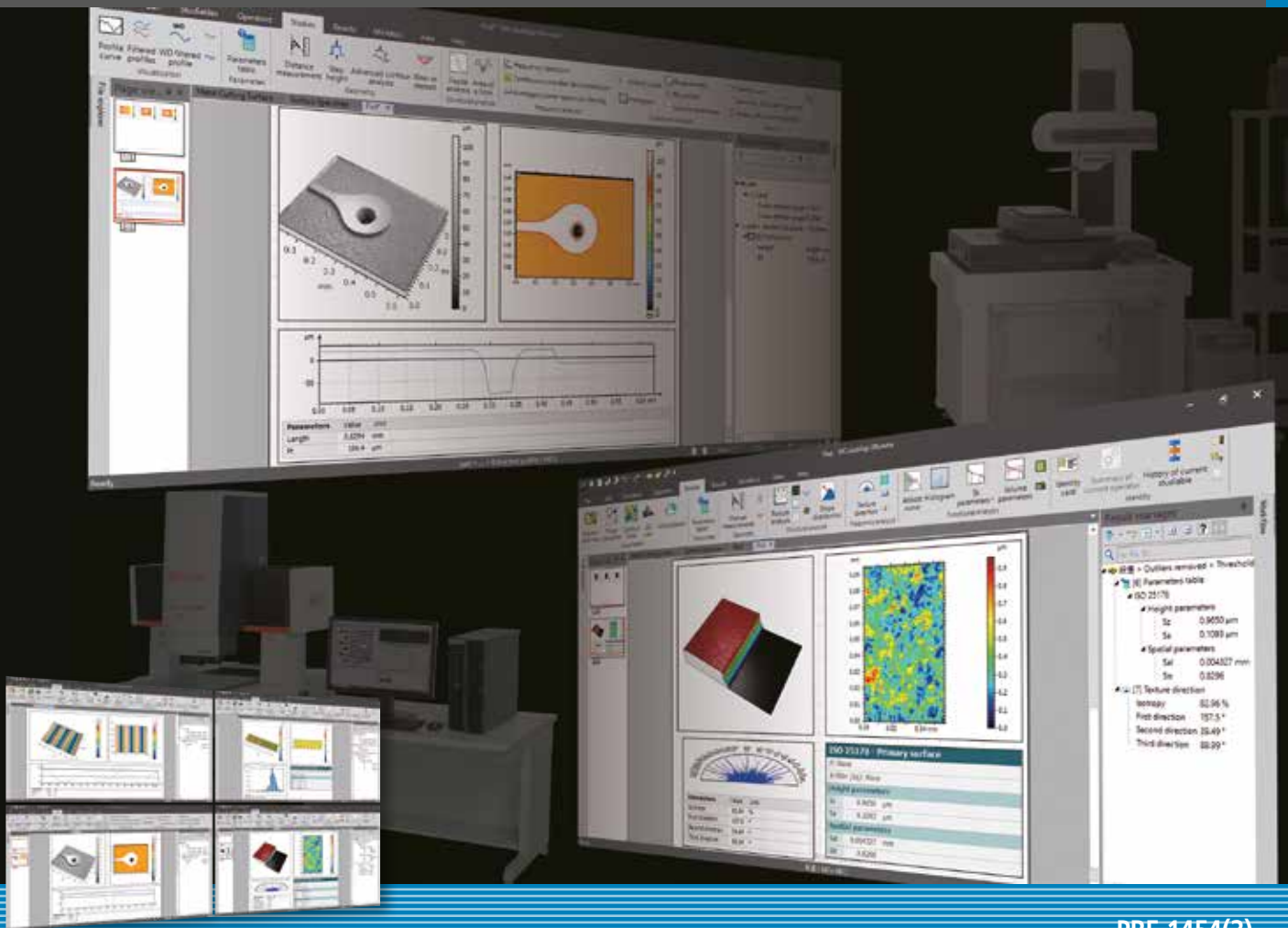


3D Surface Analysis Software: MCubeMap



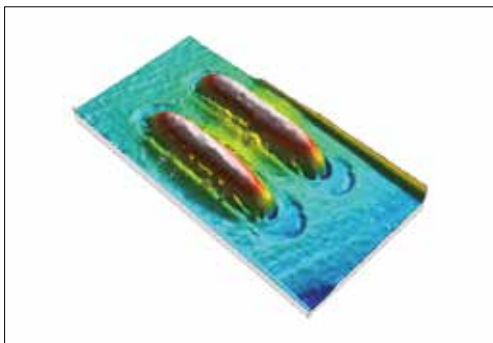
MCubeMap is a 3D surface analysis software designed for surface roughness and vision measuring machines. It offers clear imaging of analyzed data using various computer graphics technologies.

Extensive data operations and analysis features

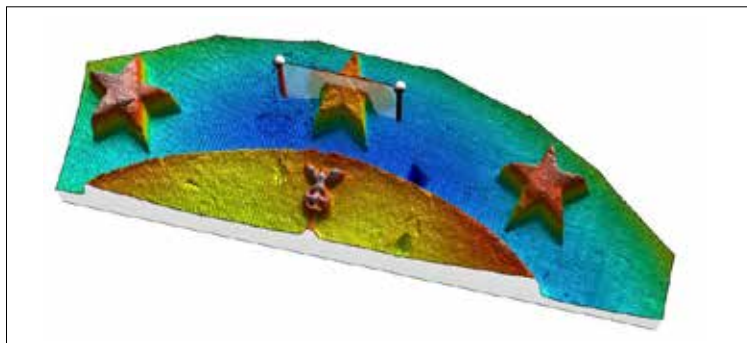
MCubeMap provides a wide range of data operations and analysis features, including template creation, leveling, filtering, outlier removal, area and profile extraction, 3D visualizations, 2D and 3D surface roughness analysis, step height calculations, fill-in of non-measured points, lead (twist) analysis*, creation of mindocs, analysis of multiple results, form removal, and more.

* Please confirm measuring machine specifications separately.

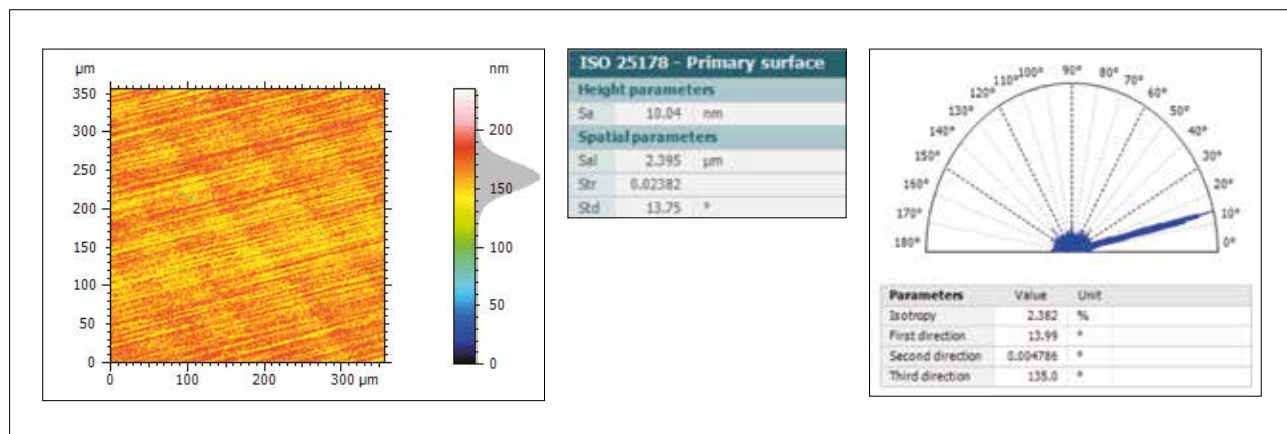
• 3D view



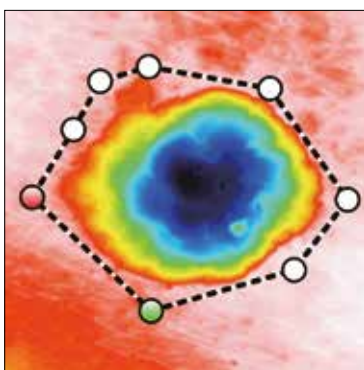
• Profile extraction



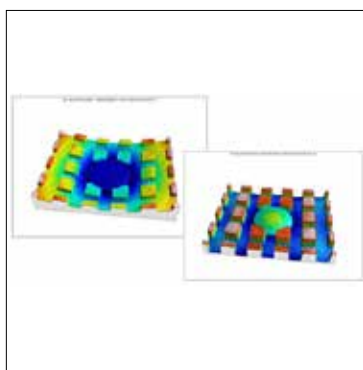
• Surface texture direction



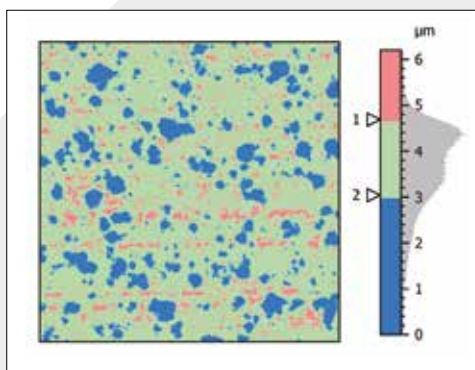
• Valley volume



• Form removal



• Profile histogram



Inspection Certificate Creation Feature

MCubeMap is compliant with ISO 25178 3D surface texture parameter specifications, allowing for the easy creation of reports with graphics and flexible layout of analysis results.

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

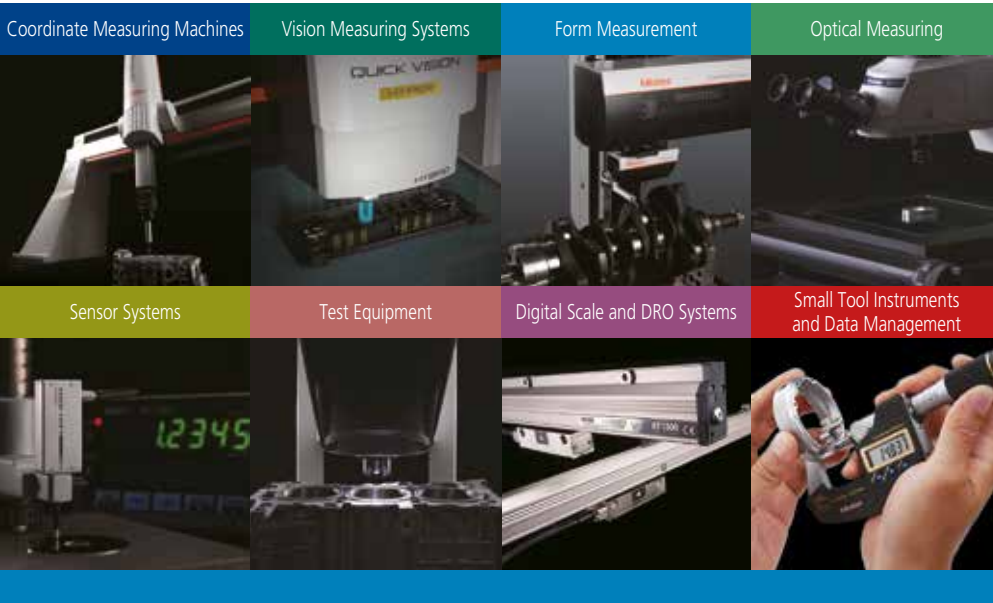
Parameter extract from the ISO 25178	
Height parameters	
Sq	Root mean square height
Ssk	Skewness
Sku	Kurtosis
Sp	Maximum peak height
Sv	Maximum pit height
Sz	Maximum height
Sa	Arithmetic mean height
Functional parameters	
Smr	Areal material ratio
Smc	Inverse areal material ratio

MCubeMap software configuration

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

Measuring systems compatible with this software

Form Measurement	Vision Measuring Systems
Formtracer Avant Series Surftest CNC Series Formtracer SV-C CNC Series Formtracer CS CNC Series Roundtracer Extreme RTX	Non-contact 3D Measuring System Hyper QV WLI
SV-3000CNC SV-C4500CNC SV-C4500CNC Hybrid SV-M3000CNC CS-5000CNC CS-H5000CNC 	FTA-S3000 FTA-D3000 FTA-D4000 Roundtracer RTX-0605-A 
	



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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