

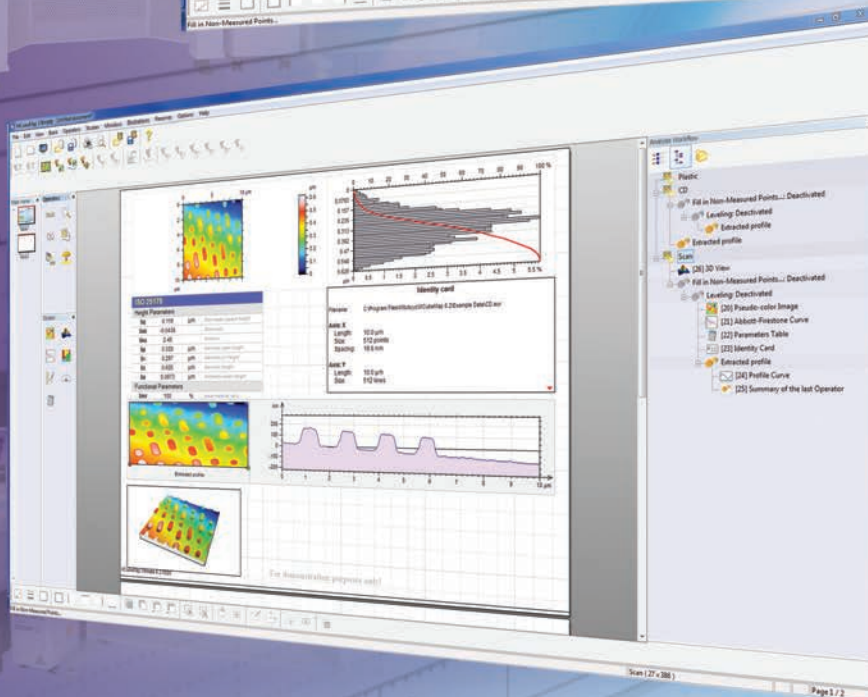
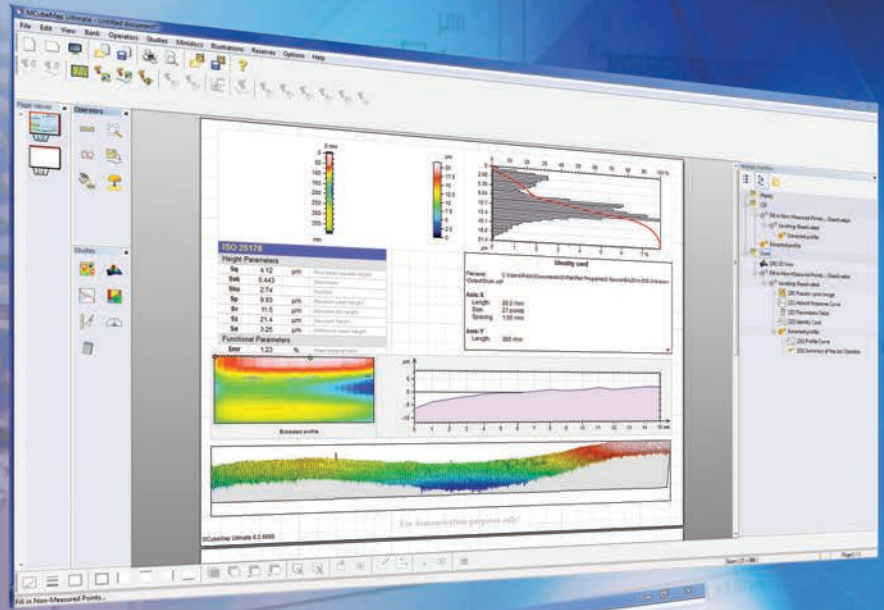
# 3D Surface Analysis Software MCubeMap



*Simple and efficient 3D surface analysis software*

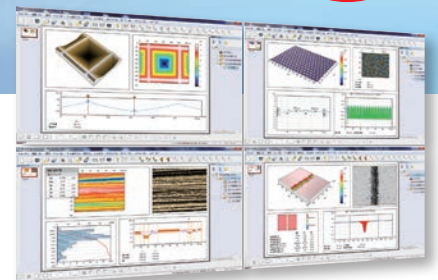
Form Measurement

| ISO 25178             |        |  |
|-----------------------|--------|--|
| Height parameters     |        |  |
| Sq                    | 3.35   | $\mu\text{m}$ Root mean square height      |
| Ssk                   | 0.0422 | Skewness                                   |
| Sku                   | 1.47   | Kurtosis                                   |
| Sp                    | 5.10   | $\mu\text{m}$ Maximum peak height          |
| Sv                    | 5.71   | $\mu\text{m}$ Maximum pit height           |
| Sz                    | 10.8   | $\mu\text{m}$ Maximum height               |
| Sa                    | 3.03   | $\mu\text{m}$ Arithmetic mean height       |
| Functional parameters |        |  |
| Smr                   | 18.2   | % Areal material ratio                     |
| Smc                   | 4.54   | $\mu\text{m}$ Inverse areal material ratio |

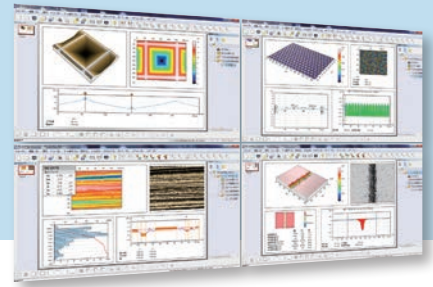


Bulletin No. 2151

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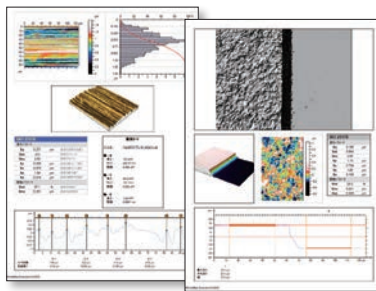
# 3D Surface Analysis Software MCubeMap



## FEATURES

- Clear imaging of analyzed data using diverse computer graphics technologies.
- Conforms to the most recent ISO 25178-2 3D surface texture parameter specifications, allowing parameter analysis such as height, functional, spatial, hybrid and volume etc.
- Graphical reports using measured results are easily created with customizable layout editing functions.

## Measurement reports



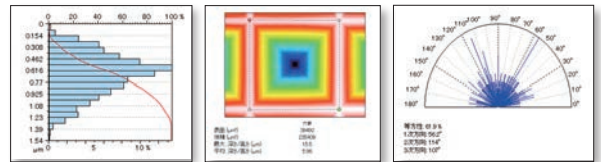
## Conforms to ISO 25178-2 3D surface texture parameter specifications

| ISO 25178             |        |                                 |
|-----------------------|--------|---------------------------------|
| Height parameters     |        |                                 |
| Sq                    | 3.35   | µm Root mean square height      |
| Ssk                   | 0.0422 | Skewness                        |
| Sku                   | 1.47   | Kurtosis                        |
| Sp                    | 5.10   | µm Maximum peak height          |
| Sv                    | 5.71   | µm Maximum pit height           |
| Sz                    | 10.8   | µm Maximum height               |
| Sa                    | 3.03   | µm Arithmetic mean height       |
| Functional parameters |        |                                 |
| Smr                   | 18.2   | % Areal material ratio          |
| Smc                   | 4.54   | µm Inverse areal material ratio |

## Extensive data operations and analysis features

Leveling, fill in non-measured point, form removal, BAC, peak distribution, lead (twist) analysis\*, fractal analysis, hole/peak volume, texture direction, etc.

\* Measuring machine specifications are to be confirmed separately



## Measuring systems compatible with this software

| CNC Surface Roughness Measuring System<br>CNC Surface Roughness/Contour Measuring Systems | CNC Surface Texture Measuring Instrument | Non-contact 3D Measuring System |
|---|--|---------------------------------|
| SV-3000CNC<br>SV-C4500CNC<br>SV-M3000CNC<br>  | CS-5000CNC<br>CS-H5000CNC<br>            | Hyper QV WLI<br>                |

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