ShapeMetriX

RELEASE NOTES V2

2.2

New	Introduction of arbitrarily located vertical sections in 3D image assessment
New	Output of roughness profiles
New	Configurable representation in hemispherical plots
New	Bounding box including overall dimensions
New	Live switchover between reduced and full set of 3D points
New	Area-based features now show their size in a projection plane
Enhanced	Image processing, leading to higher reconstruction accuracy
Enhanced	Sensitization of quality indicators for better feedback
Enhanced	Support of multiple CPUs for faster 3D image generation

2.1

New	Automatic continuation of reconstruction after user-defined time (MultiPhoto)
New	Three different reconstruction modes: Fast, Normal, High (MultiPhoto)
New	User-defined limit of generated points for final reconstruction (MultiPhoto)
New	User-defined stereo set-ups for adding to existing 3D reconstructions (MultiPhoto)
New	3D model view for better localization of the reference image (MultiPhoto)
New	Multiple connected dongles supported
New	Backup/restore functionality for license data

New	'Clean up' button for removing temporary data, applicable only if 3GSM cache directories are found
New	Option to set displayed texture resolution for 3D viewer (Analyst)
New	Tooltips in the 3D viewer by moving the mouse over annotations while holding Ctrl (Analyst)
New	Customizable screenshot functionality, including orthophotos with scale information (Analyst)
New	Plots can be saved as ".png" files (Analyst)
New	Optional point limit exported by Tape Measure into ".csv" files (Analyst)
New	Better handling of operations requiring administrator privileges, such as license and calibration data installation
New	Multiple calibration files can be installed/removed at once
Enhanced	3D mesh generation
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Enhanced	Adjustable point density
Enhanced	North direction introduced via compass reading
Enhanced	Contour lines
Enhanced	DXF export
Enhanced	PDF reports
Enhanced	Higher quality 3D image reconstruction (MultiPhoto)
Enhanced	Feedback during trimming (SurfaceTrimmer)
Enhanced	Reference points saved correctly in the sub-image and shown after loading (Normalizer)
Enhanced	Reference points from previous versions no longer imported (Normalizer)
Enhanced	Diagrams now display the set unit for axes (Analyst)
Enhanced	Option to enable/disable the same scale for both axes in sections chart (Analyst)
Enhanced	Calculated volumes can be renamed (Analyst)

2.0

New Quality feedback for generic 3D image

New Point density can be influenced by the operator

New Reference to north can be established by introducing the azimuth of a reference line without

New User-defined scanline leading to enhanced spacing calculations, including set spacing, normal set spacing, and total spacing

New Configurable contour line plots in plan view and contour lines on the 3D image, which are separately exportable, for example, as DXF

New Exportable structure map in CSV and DXF formats

Enhanced 3D image generation performance

Enhanced PDF report