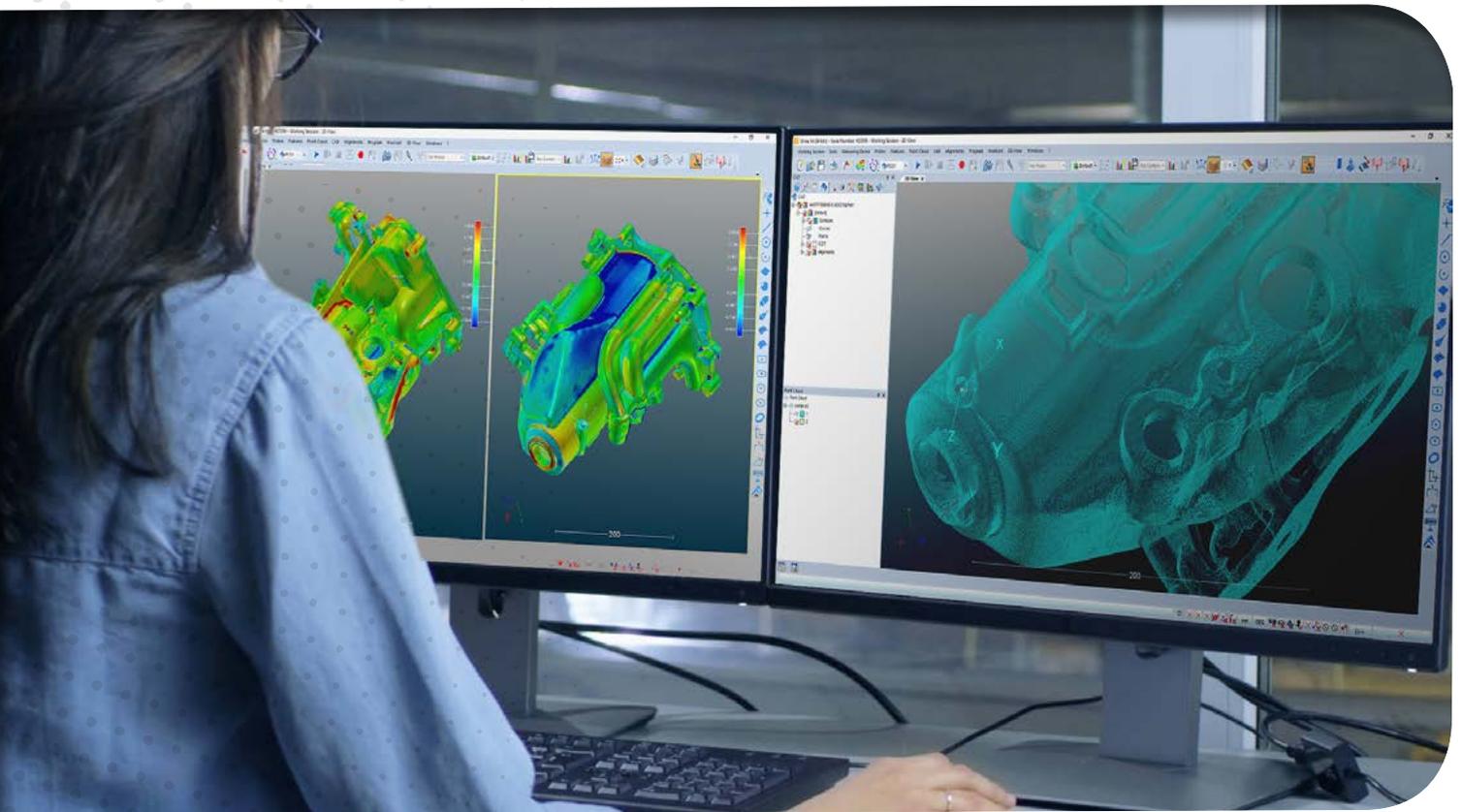


Accuracy and reliability

Point-Cloud Analysis

More and more devices of point-cloud acquisition are available on the market. These scanners are integrated into manual procedures, CMMs, or even into automatic online measurement solutions. Our integrated «Point-Cloud» module gives you all the power of the Metrolog X4 solution for point-cloud processing. Speed, reliability, ease of use, and the graphical display of measurement results are some of the strengths of this module.



Powerful and easy-to-use module



Direct projection on the CAD file and visualization with polynomial precision



CAD-Point-cloud adjustment: autofit, best fit, manual adjustment, or cloud-cloud, cloud-mesh adjustments



Wide compatibility with most acquisition devices on the market



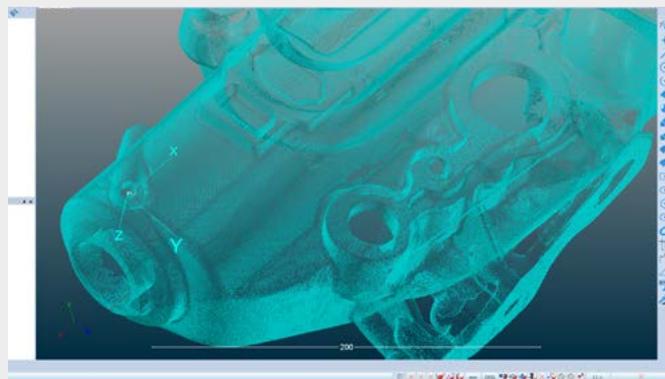
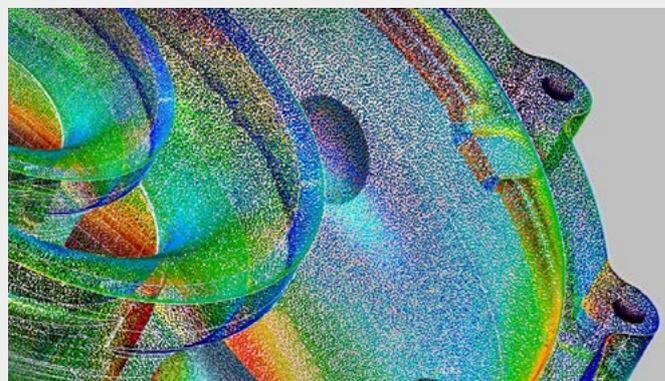
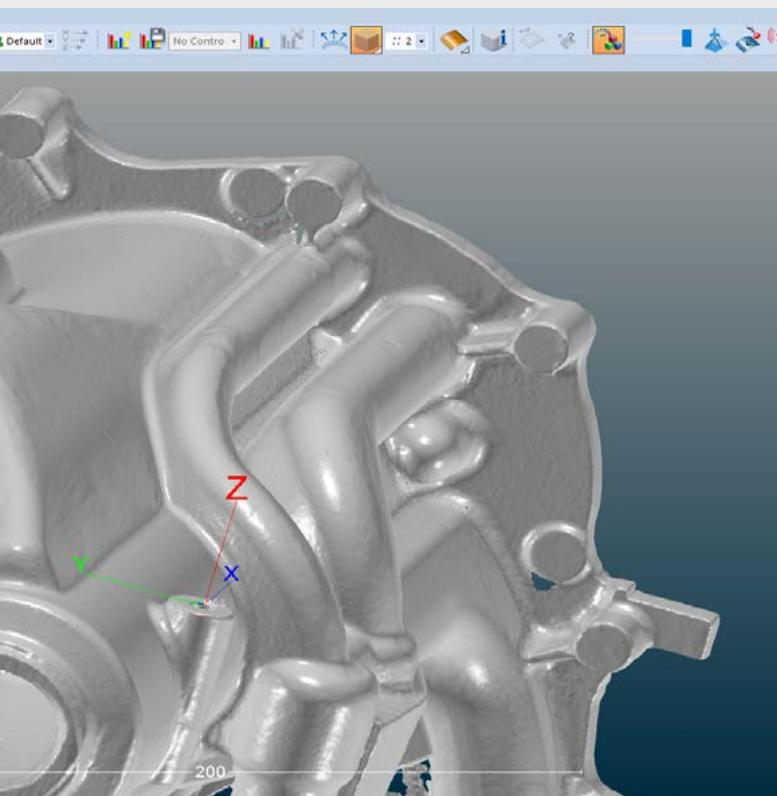
Advanced collection and analysis of data while respecting the integrity of 3D point clouds



Module for extracting any type of geometrical elements, surfaces, tolerances



All instructions can be in program, full ready for inspection process automaton



Point clouds treatment

- No limit on point cloud imports
- Fast acquisition, multiple alignment solutions
- Elimination of noise and outliers thanks to full filter solution.
- Assembly two point clouds together.
- Assembly Features and cloud.
- Numerous extraction functions available with different strategies depending on the type of part

3D Inspection

- Extraction of geometrical and free forms surfaces features.
- Full compatible with GD&T modules
- All instructions fully programmable
- Point cloud real time comparison with CAD (color mapping)
- Import formats: common nominal CAD files such as CATIA V5, IGES, STEP, VDA, SET, ProE, Unigraphics, QIF, NX and export all formats on the market.

User-friendly interface

- Fully customizable user interface to adapt to the operator's working habits,
- Adaptable according the type of device used, and the type of measurement to be made
- View oriented automatically during data acquisition
- Powerful and easy report editor
- Available in 19 languages, switchable on the fly

Mesh generation for 3D inspection or retro-engineering applications

- Multiple mesh-generation functions
- Simple mesh editor
- Advanced surfaces and sections extraction for easier surfaces reconstructions

Discover our complete software suite



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Connected to the right measure

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www.metrolog.group/point-cloud-module



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