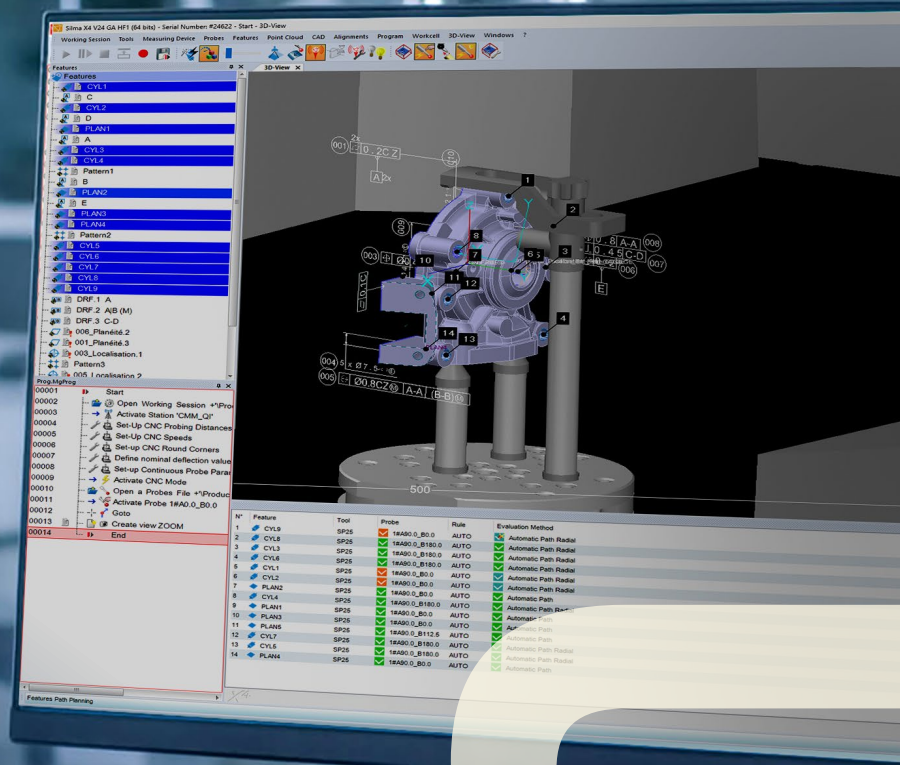




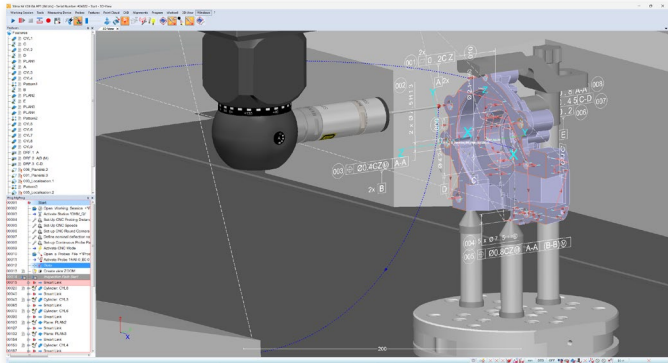
silma



Offline Simulation and Programming for 3D Metrology

Automates inspection program creation to accelerate metrology execution.

Silma is an innovative offline programming and simulation software for 3D metrology, delivering a complete digital twin of your measurement environment whether CMMs, robots, or advanced scanners.



Save time and increase productivity even when your measuring machines are running at full capacity.

Reduce Errors and Collisions: Advanced simulation detects collisions upfront for risk-free measurement.

Improve quality with a wide range of measurement strategies according the type of part to be inspected.

Create realistic 3D environment that visualizes probe trajectories and prevents collisions before production with a wide selection of devices, sensors, and probe.

TO GO FURTHER

Use the Inspection Path Planning module to generate an inspection sequence using optimized trajectories, collision-free paths, based on a list of features to be evaluated.

This module reduces programming time by up to 60%.



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TECHNICAL FEATURES



Benefit universal offline programming with multibrand and devices compatibility. (supporting CMMs, robots, 3D scanners, and rotary tables...)



Design your digital twin technology to deliver an accurate virtual model of CMMs, robots, probes and optical sensors...



Unleash support for advanced 5axis systems like Renishaw's REVO-2 head with many 3D view assistance features.



Create, edit and optimize your measuring programs from CAD files, including GD&T tolerance for reliable and robust programs.



Identify and correct potential errors before the actual inspection phase. The collision engine will be your best ally.



Run realtime motion simulation to maximize efficiency and minimize cycle times.



Boost accuracy with Point Cloud Simulation, based on the technical specifications of the measurement devices.

See how METROLOGIC DCS transforms your quality operations:



Book a demo



Our products