Silma XG integrates an extensive CMM library including the real machine cinematic as well as detailed probe heads, probes and styluses and accessories. Parts to be measured and their associated fixtures can be directly loaded as CAD files and easily set in the 3D virtual machine environment.

Silma XG has been developed not only to create and simulate part programs but also to entirely validate and troubleshoot them using advanced probing and measurement routines and constructions. Based on a programmer oriented and intuitive interface, part program proofing is fast and easy.

Silma XG includes a true 3D inspection and analysis engine capable to validate your program consistency. In addition, its collision detection and automatic collision removal tools give you the ability to visualize, optimize and update in real your entire program probing path.

Silma XG is capable to create part programs directly in Native DMIS or in XG proprietary format as well as to export them in many other native formats, including: Quindos, Umess, ...

The programs can then be run directly on the CMM for final online validation and immediate utilization.
From Design to Measurements
Silma XG programmer interface was developed to easily and efficiently create simple to extremely complex part programs using high level language commands. Based on its fully customizable virtual world environment and the CAD files of the parts to be measured, the initial set-up and completion of a part program can be done without having any real CMM downtime: the program can be sent to the machine virtually error and collision free!

Flexible and Universal
Silma XG includes a virtual library of more than 400 machines (DCC and Manual CMMs, Laser trackers, changers, rotary tables…) and all the other needed accessories needed to replicate your real world environment (Renishaw and other OEM probe library accessories, universal fixtures…).

Expert functions
Silma XG is based on years of programming experience and follows the latest standards to guaranty consistence and coherence in your part program creations.

Main capabilities
Direct Native or Neutral CAD file import (Catia, UG, Pro/E, IDEAS, …)
GD&T Import and automatic interpreter engine for easy programming
Assembly and positioning of objects based on advanced constraint algorithms
Detection and removal of collision fully customizable.
Automatic clearance box based on feature or part to facilitate path optimization.
Metrolog XG is a polyvalent 3D inspection software that fulfills today’s needs in terms of 3D measuring and quality control. It has been developed by a team rich of 20 years of experience and features state-of-the-art technologies for quality control.

Metrologic Inspection V5: The only software solution for 3D measuring equipment integrated within the CATIA V5 environment.

Our comprehensive range of innovative and efficient products establishes Metrologic Group as the world leader in software solutions for 3D inspection.

Metrologic Group designs, develops and regularly offers new optional modules dedicated to specific uses such as blade and gear measurement or point cloud analysis. Each module provides specific features for more sophisticated and powerful measurement. Integration of these modules inside the Metrolog XG product illustrates the goal of the Metrologic Group; to provide universal and evolving software that is capable of measuring any type of part.

Metrologic Group specializes in the design and manufacture of software and hardware solutions dedicated to 3D inspection. Metrologic Group has developed more than 75 direct software-to-machine interfaces with any controller including CMMs, articulated arms, laser trackers and 3D optical scanners. Metrologic Group offers Coordinate Measuring Machines (CMM) retrofits with new hardware, calibration, onsite support, training and maintenance services.

Find more information about our products and services: [www.metrologicgroup.com](http://www.metrologicgroup.com)

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