



AUTOMATE

VERISURF X

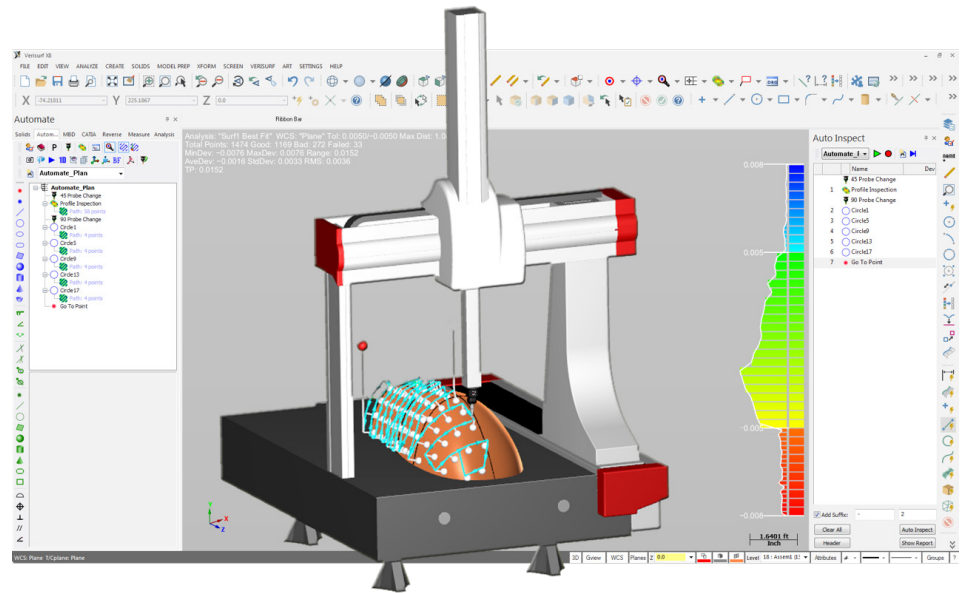
VERISURF AUTOMATE MAKES CMM PROGRAMMING FASTER AND EASIER

Verisurf **AUTOMATE** programs and operates CMM's faster, easier and at a lower cost with a 3D CAD measurement platform that automates all types and brands of coordinate measuring machines. An intuitive 3D experience combined with visual object oriented programming and open standards all contribute to reducing training, support and maintenance costs while increasing freedom of choice.

PROGRAM & OPERATE COORDINATE MEASURING MACHINES

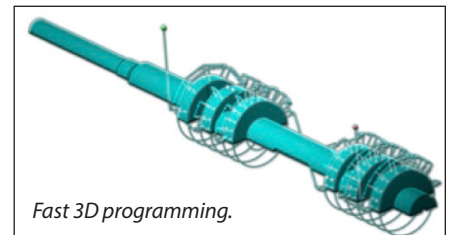
Intuitive Experience – Easy Learning

Verisurf **AUTOMATE** users are immediately productive with a rich 3D environment that includes an object oriented operations manager, CAD feature extraction, and solid model associativity. User productivity is enhanced with file recognition, logical right mouse click options, customizable user configurations and drag and drop operation reordering. Attention to the intuitive 3D experience helps users learn faster, program their CMM faster and automate their CMM operation.



Coordinate Measurement CAD – Faster Programming

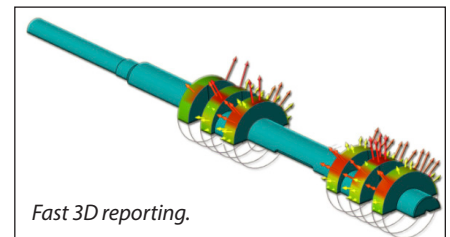
Verisurf **AUTOMATE** is packaged with a complete coordinate measurement CAD system with 3D modeling, 2D drafting and model associative 3D GD&T. You can open many 3D models including; ACIS, AutoCAD, IGES, Inventor, KeyCreator, Mastercam, Parasolid, Rhino, Solid Edge, SolidWorks, SpaceClaim, STEP, STL, and VDA. Optional CAD formats are; CATIA, Siemens NX, Pro/E and CAD/CAM solutions. **AUTOMATE** can even create CMM inspection plans to STL files and automate the inspection of 3D printed prototypes and additive manufactured parts.



Fast 3D programming.

Object Oriented – CMM Automation

Verisurf **AUTOMATE** is object oriented sequencing and CMM probe path generation software that quickly and easily creates automated inspection plans, executes them and generates reports. **AUTOMATE** has intelligent operations tree objects that support drag and drop re-ordering and are easily edited with logical right click options. Probe points and paths can be created and edited dynamically on CAD features or surfaces including specialized routines for helical and radial surfaces. The software constantly maintains associativity between sequence tree objects and their corresponding 3D graphics display objects such as CAD model features, probe points, and probe paths.



Fast 3D reporting.

AUTOMATE



CAD

MEASURE

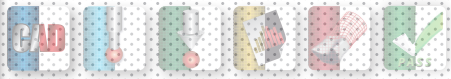
BUILD

ANALYSIS

REVERSE

VALIDATE

PASS



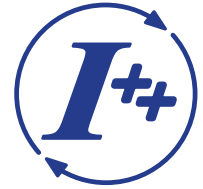
AUTOMATE VERISURFX

PROGRAM & OPERATE COORDINATE MEASURING MACHINES

VERISURF AUTOINSPECT ONLINE PROGRAMMING MAKES CMM OPERATION FASTER AND EASIER

Open Standards - Lower Costs

Verisurf **AUTOMATE** complies to non-proprietary, open standards including; I++ DME Protocol for CMM communication supported by the National Institute of Standards and Testing and European automotive manufacturers; Daimler, Audi, BMW, Opel, Volkswagen, Porsche and Volvo. Verisurf supports I++ DME to empower quality managers with inspection plan interoperability and lower maintenance, training and support costs associated with open standard CMMs. **Verisurf AUTOMATE** includes a versatile CMM output program that creates configurable files in DMIS standard formats.



CNC Machine Tool Probing – Automated Alignment & Verification

Verisurf AUTOMATE allows users to perform pre-machining alignments and post-machining inspection and verification tasks on their CNC machine tool with machine tool probing options. **AUTOMATE** creates G-code for pre-machining set up and alignment of the stock or part to the NC machine and NC program. **AUTOMATE** also creates G-Code for on machine verification and inspection including real time display of measurements and deviations to CAD nominal with intelligent GD&T.

Faster Inspection - Better Results

The longer an inspection takes, the more opportunity there is for vibration, temperature change, compensation drift and numerous other environmental factors to degrade the accuracy of your results. With **AUTOMATE** you eliminate calculation time, minimize overall measurement time and get immediate notification of out-of-tolerance conditions. **AUTOMATE** yields increased accuracy by reducing the time required to inspect a part, thereby mitigating the changing environmental factors that can degrade accuracy.

CMM Interoperability - Reduces Bottlenecks

CMM inspection plans created in **AUTOMATE** are compatible with all brands and models of Portable CMM Arms, Scanners, Laser Trackers, and Optical Trackers and programmable stationary CMM. In fact the same measurement plan used to run a programmable CMM can be used with a portable arm. Whether the measurement job is on the shop floor or in the QA lab this high level of interoperability empowers the technician to choose the ideal measurement device for the job. **Verisurf AUTOMATE** improves measurement repeatability and reproducibility by ensuring that inspectors throughout your organization follow the same alignment, inspection and reporting process regardless of what hardware they're using.

