



VERISURF® 2018

NEW RELEASE HIGHLIGHTS

Verisurf 2018 boosts productivity and is more flexible and easier to use than ever. Dozens of new capabilities, workflow improvements, and feature refinements make Verisurf 2018 the application of choice for manufacturers serious about continuous quality improvement. We hope you are delighted with the results.

Ernie Husted, President of Verisurf Software, Inc.

FEATURES AND BENEFITS

- Universal CMM: Verisurf everywhere!
- Faster Datum Reference Frame creation
- New Drag & Drop Report Manager GUI
- Inspect thin edges fast w/ Probe Shaft
- New Measure Torus functionality
- Mesh Booleans simplify Reverse
- Easy Feature Recognition in Automate
- Faster Probe Speed for better throughput
- More informative reports w/ Traceability
- Easier alignment with N-Point Align
- New Teach Mode records/saves actions

MORE INFO ON VERISURF 2018

- www.verisurf.com
- Verisurf 2018 Release Notes
- Verisurf 2018 FAQs
- Universal CMM FAQs
- Verisurf YouTube Channel
- Verisurf Reference Guides
- What's New in Verisurf 2018 Presentation

With the rollout of the 2018 release, Verisurf Software raises the bar yet again as a leading provider of enterprise class, computer-aided inspection, tool building, and reverse engineering solutions. Here are just a few of the major improvements you can take advantage of in this brand new version:

Universal CMM - Use Verisurf Everywhere



Getting Verisurf to interoperate with your CMM just became a whole lot easier and more cost effective too. Verisurf Universal CMM is an economical, software-only solution that lets Verisurf run seamlessly on common CMM brands and models without expensive controller or probing system hardware retrofits. Use Verisurf's Automate module to build inspection plans by clicking on CAD model features, preview probe path motion, and drive your CMM. Universal CMM uncouples hardware and software purchase decisions and lets you pick the best of each.



Create New Datum Reference Frames Fast

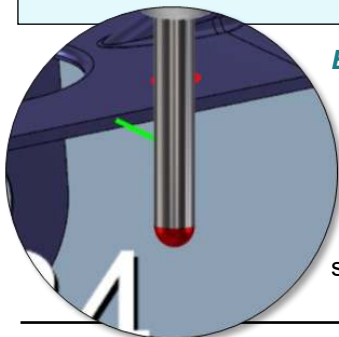
Verisurf 2018 introduces Dynamic Datum Reference Frames (DRF). Simply associate one or more existing feature measurements as new datums and eliminate the time and trouble of creating new WCS frames before a datum can be defined.

The Best Reporting Gets Even Better

Quickly customize your reports with any content layout precisely the way you want. Add text, images, and tables to your reports as objects you can click on and drag to change display order. Modify column layout, collapse and expand sections, export in portrait or landscape format, and save all of your customizations for reuse in new reports or new Verisurf sessions.

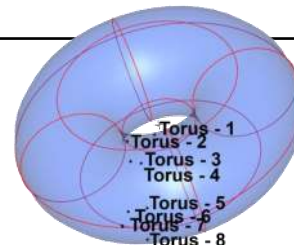


New Drag and Drop Report Builder

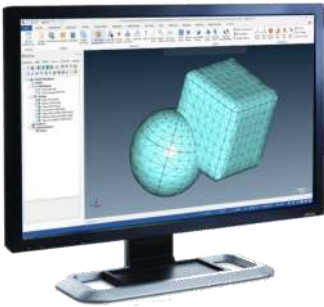


Easily Inspect Thin Parts with Probe Shaft: Verisurf now makes inspecting or positioning thin parts using a cylindrical probe shaft a snap. Use the probe shaft in Verisurf's Inspect/Build mode for die-stamped, sheet metal, vacuum-formed, injection-molded, and composite layups that are typically thin and difficult to inspect with a typical spherical, ruby-tipped probe. Includes complete calibration settings specifically for this mode of use.

Measure Torus Shapes: Need to measure toroidal parts or assemblies? Verisurf Measure now includes the ability to measure torus-shaped objects with all of the Measure Settings options you need to extract, format, and report the concise results you want.



New, Easy Way to Combine Meshes with Booleans



Verisurf Reverse Now Supports Combining Meshes with Booleans

Verisurf 2018 gives you even more ways to edit meshes with the rollout of Mesh Booleans. Now you can combine multiple mesh objects with union, intersection, and difference operations. And original mesh objects are always preserved for additional editing operations.

Faster CMM Probing in Automate

The ability to achieve rapid throughput on both single and batch inspection runs corresponds directly to CMM gantry and probe head speeds. Verisurf 2018 features up to 300% faster CMM probing speeds - substantially improving overall system performance.



3x Faster CMM Probing

Add Traceability for More Informative Reporting

Along with a variety of other reporting improvements, Verisurf 2018 introduces a new 'Traceability' section you can add to your reports via the Report Manager or Automate toolbars. The Traceability object gives you the ability to include metadata about the environment and conditions under which the inspection was performed in your reports.

Traceability2 / Using: Circle1 / WCS: WCS	
	Measured Nominal
Device Name	3DGage Arm :MX
Device Serial Number	50044
Probe Radius	0.1181
Time Stamp	9/22/2017 2:14:39 PM
Device Temp	
Material Temp	68.0000
Device Scale	
Quality	1.0000
RMS	0.0000000
Total Points	4
Descriptions	
Notes	

Traceability Adds Metadata Information to Reports

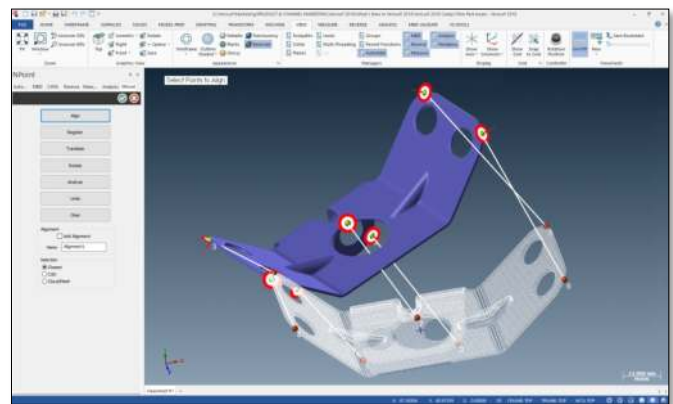
Improved Feature Recognition in Automate: Add Features Directly from Solid CAD Models

Verisurf Automate raises the bar again by making it even easier to build point-and-click inspection plans. Just click on the new '+' icon in the toolbar or use the speed menu to add a feature directly from your solid CAD model. Even better, you can use any Verisurf's windowing, multi-select (shift-click) or masking tools to interactively highlight the solid model features you want to inspect. When you're done, just hit 'Enter' to add selected features to your inspection plan.



N-Point Align Accelerates Alignment Workflows

Access the new N-Point Align dialog from the Analysis speed menu to quickly align pointclouds, mesh objects and CAD entities. Although several of the alignment tools



N-Point Align Aggregates Pointcloud, Mesh, and CAD Alignment Tools

existed in prior versions, N-Point Align consolidates alignment tools in a single dialog where you can: add, name, and save new alignments; assign a newly-created alignment to an active measuring device, and run Register multiple times before accepting the final results.

Verisurf 2018 includes many more improvements than can be listed here. For a comprehensive overview, please refer to the [Verisurf 2018 Release Notes](#)