

Scan Data Suites

Easily create 3D solid models from scan data or compare pointclouds and meshes to nominal CAD models in minutes



Unique Verisurf Suites Make Best Use of Scan Data for Manufacturing

Verisurf scan data specialty suites empower manufacturers with affordable inspection and reverse engineering solutions that assure product quality, reduce waste, and expedite workflows to improve overall business profitability. For industrial technology educators, Verisurf also offers its full portfolio of metrology software at deep discounts.

SCAN DATA INSPECTION SUITE

Easily import 3D scanner pointcloud or STL mesh formats. Automatically analyze scan data to extract and compare features to CAD nominal with intelligent GD&T. Save reusable, automated inspection plans to support volume production.



The Verisurf Scan Data Inspection Suite integrates Verisurf's CAD and ANALYSIS modules to tackle 3D inspection challenges using scanner data. Verisurf's unique, CAD-based architecture reads all popular CAD file formats and supports many portable or programmable CMMs.

Create and customize colorful deviation plots highlighting any nonconformances between measured parts and the nominal CAD model - all in a Windows-standard graphical interface that delivers a superior user experience.

SCAN DATA REVERSE ENGINEERING SUITE

Quickly import pointcloud or mesh scan data and create manufacturable, 3D, solid CAD models. A unique product designed exclusively for pointcloud to solid model workflows.



Verisurf's Scan Data Reverse Engineering Suite integrates Verisurf's CAD and REVERSE modules to enable any 3D reverse engineering project starting with imported pointcloud scan data. The suite features an extensive set of tools for managing, combining, filtering, editing, meshing, and surfacing pointcloud and mesh data. Because all Verisurf solutions are CAD-based, the suite also includes an extensive tool set for completing the 3D CAD model using your scan data.

Verisurf is fully compatible with the Mastercam NC programming application - allowing you to perform all of the steps necessary to create a solid 3D CAD model of your part

and then use Mastercam (sold separately) to program and drive CNC or additive manufacturing equipment to complete the manufacturing process using a single file. Export to multiple native CAD formats or finish the project using Verisurf's built-in drafting tools.

METROLOGY EDUCATION SUITE

The Metrology Education Suite for education institutions includes all Verisurf modules at a fraction of the cost. Exclusively for the needs of technical educators and their students, the Metrology Education Suite presents students with the opportunity to develop the metrology skills employers seek.



The Verisurf Metrology Education Suite product is a premium software bundle suitable for performing a broad spectrum of metrology tasks. It is the logical next step to extending popular CAD/CAM training programs to include reverse engineering, tool building, and inspection skills development. Import all common 3D geometry file types, connect to any common scanner, fixed or portable measuring device, or work offline with pointcloud or mesh files collected separately. Can be used for (scan- or probe-based) inspection, tool building, reverse engineering, CMM programming, guided assembly, and more – the Verisurf Metrology Education Suite has it all.