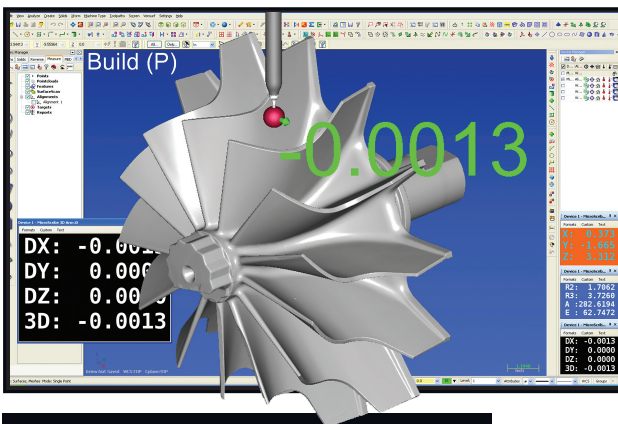# BUILD

VERISURFX

A VIRTUAL GAGE FOR REAL-TIME PART INSPECTION AND TOOL ASSEMBLY

Verisurf *Build* is the industry-leading tool for real-time, model-based inspection and tool fabrication, providing a common metrology platform for virtually all portable 3D measuring devices.

At the heart of Verisurf *Build* is a graphical 3D deviation-arrow and text that provides a 'live' display of the distance from the device probe to the nominal model.

This real-time feedback is used as a guide to position moveable tooling details to their nominal position using features in the CAD model to define the basic position and shape. This same feedback is also used for real-time model-based inspection of assemblies and machined parts.
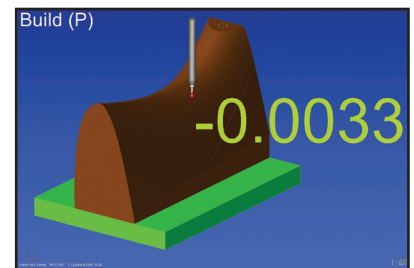
FEATURES AND BENEFITS

- Highly productive real-time feedback
- Dynamic, graphical build-arrows
- Large-sized digital read-outs
- Tolerance-controlled color display
- Probe, arrow changes color as the detail moves into tolerance
- Real-time measurements to nominal CAD model
- Build assemblies and set assembly details in seconds
- Eliminate hard tooling
- Multiple devices can be used simultaneously on the same 3D CAD model
- Graphical arrows help guide a detail into its exact designed location

Use Verisurf's ***AutoAlign*** to quickly orient the measuring device to the CAD model and then simply touch the probe to any physical feature to see a live display of the deviation between the part and the model. Graphical feedback, including color-coded arrows and position-readouts, allows you to see and adjust the distance between the physical part and its nominal CAD location.

Inspect with Confidence

Verisurf ***Build*** revolutionizes the inspection process with an intuitive graphical interface that lets you see real-time part-to-model deviations as you inspect. Live feedback coupled with MBD tolerance shows whether the part is good before you measure it.

Verisurf ***Build***'s live, easy-to-follow graphical feedback provides results that are clear and easy to understand. And, Verisurf ***Build*** is one of the only solutions that can instantly inspect hole-position and scribe-lines.
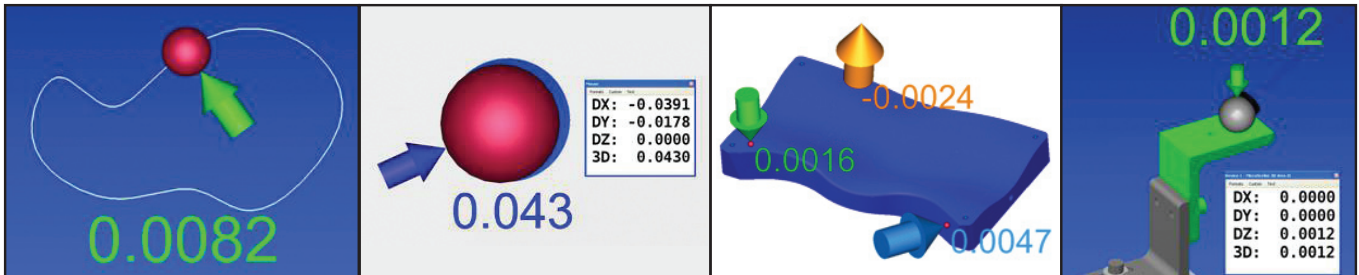
| Build to curves | Build to holes | Build to surfaces | Build to solids |

Some Assembly Required

Verisurf *Build* combines powerful CAD tools, associative MBD and real-time device control to facilitate virtual assembly. Assign unique tolerances to features in the model, including surfaces, curves and holes, and then use real-time *Build* feedback to 'indicate' parts into tolerance.

Verisurf simplifies the assembly process by displaying build arrows that change size and color to reflect the tolerance condition -- when the arrow is green, the part is set.

Verisurf *Build* can be part of a process that eliminates hard tooling while ensuring the most accurate manufacturing quality control available today.

Virtual Manufacturing

With Verisurf *Build* you can fabricate tooling assemblies faster and at lower cost than with other processes or software products. Details can be positioned and tooling checked faster than ever before.

It is no exaggeration to say that Verisurf *Build* is the product most used by today's modern tooling manufacturers.

Verisurf *Build* has been developed and refined over the course of a decade to help bring standard-setting companies like Boeing into the age of digital tool-building and MBD.

The Leader in Model-Based Metrology Software

Verisurf Software has set the standard for model-based inspection, reverse engineering and tool building in aerospace, automotive and a broad spectrum of other industries. As the common software platform for all type of measuring devices - including stationary CMMs, portable CMM arms, laser trackers and scanners, and many other types of existing and emerging technologies - Verisurf has streamlined the manufacturing process. Our field-proven solutions deliver significant improvements in productivity and cost effectiveness.

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