CAD BASIC

VERISURF X

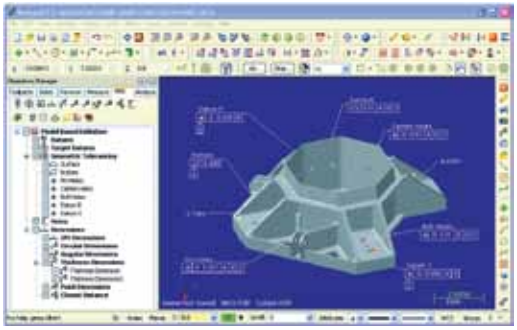
The Foundation of Model-Based Metrology

CAD-BASED FOR GREATER POWER

Built on a powerful, robust CAD platform, Verisurf *Basic* provides all of the tools necessary for both print- and model-based metrology.

Features & Benefits

- Easily handle large CAD files
- Unlimited graphics viewing angles/zoom
- Customize toolbars and shortcuts
- Extensive file management & data exchange
- On-demand level display
- Flexible geometry editing
- Powerful surface and solid modeling
- Flexible Hybrid Modeling
- Easy drafting tools
- Analyzing geometry
- Hundreds of custom tools
- Model-Based Definition (MBD)
- Verisurf Device Interface (VDI)



With ***Basic,*** you can import virtually all major CAD formats, create models from blueprints (including tolerances), manipulate large assemblies of parts, and interface with a wide variety of measuring devices.

This core module is the foundation of the Verisurf product line, which also includes Measure, Build, Analysis and Reverse. As the industry moves rapidly toward model-based manufacturing, Verisurf ***Basic*** allows even print-based users to enjoy the efficiency of model-based metrology.

With the Verisurf line of products, you can design, machine, build, inspect and reverse-engineer all within a single program.

Verisurf ***Basic*** includes hundreds of custom tools to help make your job easier; you can even create your own custom tools using VB scripting or the C++ SDK.

MBD for Greater Efficiency

An essential part of Verisurf ***Basic,*** Model-based Definition (MBD) allows users to associate datums, datum targets and GD&T callouts with features in a model.

MBD links Verisurf's ***Measure***, ***Build*** and ***Analysis*** modules to the manufacturing process. This common basis for machining, assembly and inspection reduces scrap and produces assemblies faster and with greater accuracy.

Supported File Formats

- ACIS Kernel SAT Files (*.SAT;*.SAB)
- Alibre Design Files (*.AD_PRT;*.AD_SMP)
- ASCII Files (*.TXT;*.CSV;*.DOC)
- AutoCAD Files (*.DWG;*.DXF;*.DWF)
- Autodesk Inventor Files (*.IPT;*.IAM; *.IDW)
- Cadkey CDL Files (*.CDL)
- HPGL Plotter files (*.PLT)
- IGES Files (*.IGS;*.IGES)
- KeyCreator Files (*.CKD)
- Mastercam Files (*.MCX;*.MC9;*.MC8)
- Parasolid Files (*.X_T;*.X_B;*.XMT_TXT)
- PostScript Files (*.EPS;*.AI;*.PS)
- Rhino 3D Files (*.3DM)
- Solid Edge Files (*.PAR;*.PSM;*.ASM)
- SolidWorks Drawing Files (*.SLDDRW)
- SolidWorks Files (*.SLDPRT;*.SLDASM)
- SpaceClaim Files (*.SCDOC)
- STEP Files (*.STP;*.STEP)
- Stereolithography Files (*.STL)
- VDA Files (*.VDA)
- Optional formats:
- CATIA V4 Files (*.MODEL;*.EXP)
- CATIA V5 Files (*.CATPART;*.CATProduct)
- Pro/E Files (*.PRT;*.ASM;*.PRT.*;*.ASM.*)
- Unigraphics NX (*.PRT)

BASIC VERISURF

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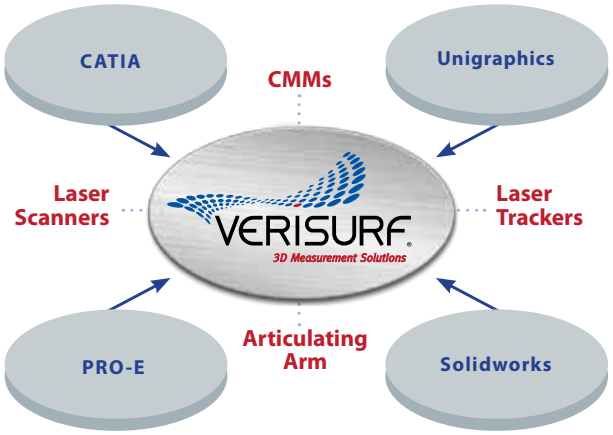


CAD-system Interoperability

Verisurf's comprehensive software solutions are developed for today's manufacturing needs and feature seamless interoperability with virtually all CAD platforms.

Verisurf ***Basic*** opens native CAD files from CATIA, Unigraphics/NX, PRO-E and numerous others. It also can read FTA from CATIA V5 files. This flexibility means that you can easily import, export and manipulate virtually any CAD model including solids, surfaces, wireframes and meshes.

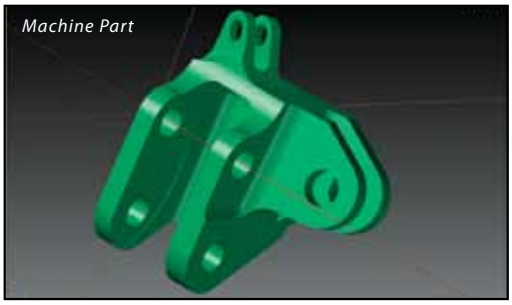
VDI for Greater (Device) Connectivity

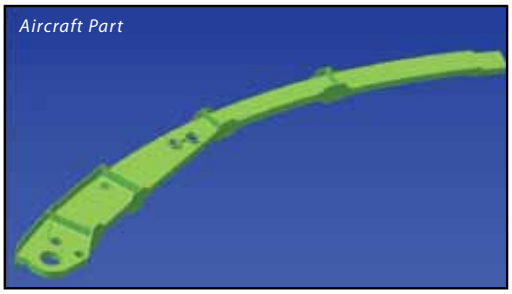
Verisurf ***Basic*** includes the unique Verisurf Device Interface (VDI). This powerful application connects to and controls virtually all measuring devices including stationary and portable CMMs, laser trackers, scanners and a variety of other current and emerging technologies.

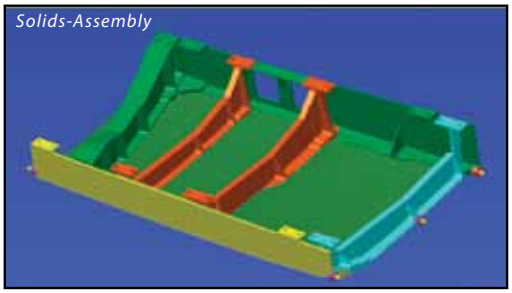
The VDI controls multiple devices simultaneously, using a common interface for ease-of-use, greater consistency and a shorter learning curve.

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.







29 Landmarks Ave, Samrand,
Centurion, Gauteng

+27 12 645 4300
mecadmfg.co.za

MECAD MANUFACTURING