



# VDI CONNECT

# VERISURFX

## VERISURF DEVICE INTERFACE (VDI)

The power to connect all your metrology devices to the VerisurfX software platform.

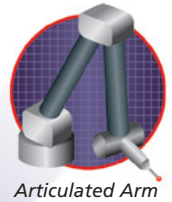
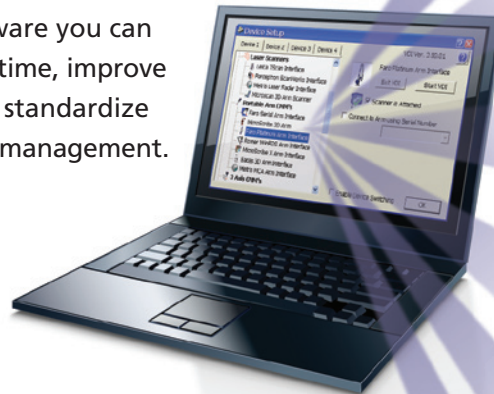
## THE FOUNDATION OF ENTERPRISE MODEL-BASED METROLOGY

### A COMMON METROLOGY PLATFORM

#### Device and CAD system interoperability

- Verisurf VDI provides connectivity, communication and control of virtually all digital metrology devices
- Verisurf X can open and inspect to any CAD model including solids, surfaces, wireframes and meshes
- Verisurf's CAD and Metrology device interoperability sets the standard for enterprise model-based inspection, reverse engineering and tool building. As the common metrology software platform, Verisurf has streamlined the manufacturing process delivering significant improvements in productivity and cost effectiveness

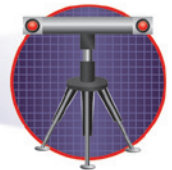
Verisurf VDI is a powerful software application that allows users to connect and control virtually all metrology devices across the enterprise to the common Verisurf X metrology software platform. Using a common interface, control multiple devices simultaneously, including stationary and portable CMMs, laser trackers, scanners, laser radar and a variety of other current and emerging technologies. Using Verisurf VDI in conjunction with Verisurf X metrology software you can reduce training time, improve consistency and standardize metrology data management.



Articulated Arm



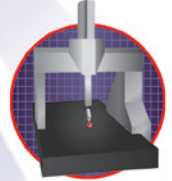
Laser Tracker



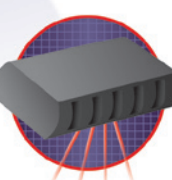
Optical CMM



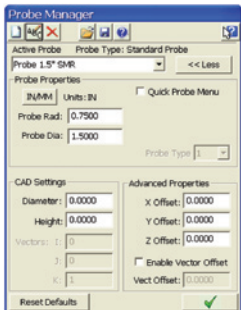
3D Scanner



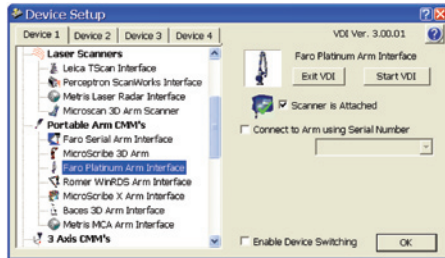
3-Axis CMM



Laser Projector



**Probe Manager**  
Easily create, edit, manage, calibrate and archive your probes and tips.



**Device Setup**  
With Verisurf VDI as your enterprise metrology platform you can quickly select, setup and run multiple devices simultaneously.



**Temperature Settings**  
Manage Material and Thermal Expansion Compensation as well as Scale Bar Calibration. Add custom Material Types, and Expansion Coefficients. Temperatures can be entered manually, or gathered automatically from external devices sensors. User defined Drift alarms monitor temperature changes and alert inspector when out of tolerance.

### CONNECT

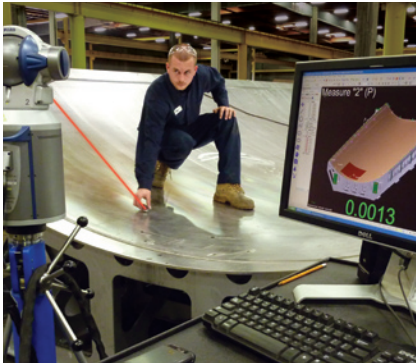




# VDI CONNECT

# VERISURF<sup>X</sup>

## THE FOUNDATION OF ENTERPRISE MODEL-BASED METROLOGY



### VDI FEATURES

- Universal metrology device interface
- Control multiple devices simultaneously
- Probe calibration and database
- Temperature manager with materials database
- Support for internal or external temperature sensors
- Scale bar calibration
- Set secondary homes
- ADM support
- Integrated ops-checks
- Device level to gravity support
- Pocket PC server support
- Remote PC server support
- Smart Point™
- Automatic trigger settings
- Recording toolbar
- Data export management

## VDI SUPPORTED DEVICES

### ARTICULATED ARMS

Faro Arm Interface (Quantum, Platinum, Fusion, Titanium, Advantage, Gold, Silver, Bronze)

MicroScribe 3D Arm (MicroScribe 3D, G2, MX)  
Baces 3D Arm  
Master3DGage

Romer WinRDS Arm (ABSOLUTE, INFINITE, INFINITE 2.0, STINGER II, 3000i, 2000i, 1000i)

Romer GDS Arm  
Nikon Metrology MCA Arm

### LASER TRACKERS

Faro Tracker (SI, SI2, X, XI, ION)

SMX Tracker (4000, 4500)

API Tracker (Tracker I, II Plus, T3, OmniTrak)

Leica Tracker emScon, including T-Probe, T-MAC and T-Scan

Leica Absolute Tracker (AT901, AT401)  
Leica Tracker NetBEUI (LT(D) 300, 500)

### OPTICAL CMMs

Nikon Metrology K-Series

Creaform HandyProbe

VStars INCA

Metronor

Boulder Innovations Group 3D Creator  
NDI Optical Tracker

### 3D SCANNERS

Faro Laser Scan Arm

Leica T-Scan

Perceptron ScanWorks

Microscan 3D Arm Scanner

Creaform 3D HandyScan/VxScan

Kreon Scan Arm

Camera Devices

3D Creator

Metronor Camera

VStars INCA

Aicon ProCam

Nikon Metrology K-Series

### 3-AXIS CMMs

Verisurf CMM/USB

(Most manual CMMs are retro-fitable. See list)

Oryzo CMM Machine I

Caliper CMM Counter Card

Machine Tool PC Interface

### LASER PROJECTORS

LPT Projector (LPT1, LPT2, LPT5, LPT10)

Assembly Guidance

Virtek Projector

Lap Laser

### MANUAL CMMs FOR USE WITH VERISURF CMM/USB INTERFACE

Boice, Bridgeport, Brown & Sharpe, Coord3, DEA, ELM, Fanamation, Federal, Ferranti, Giddings & Lewis, Helmel, IMS, ITP, C.E. Johansson, Kemco, LK Tool, MFO, Mitutoyo, Mora, Numerex, Oryzo, Picommm, Poli, Renault, Sheffield, Starrett, Stieffelmeyer, Tokio Boeki, Tokio Seimtsu, Tri Measure, Trimek, Wenzel, Seiss, Zett Mess

### OTHER DEVICES

Leica Total Station

Leica Theodolite

Leica Laser Station TDRA6000

Nikon Metrology Indoor GPS System

Nikon Metrology MV240/260 Laser Radar

Calipers, Micrometers and Hand Gages with Digital Interface