



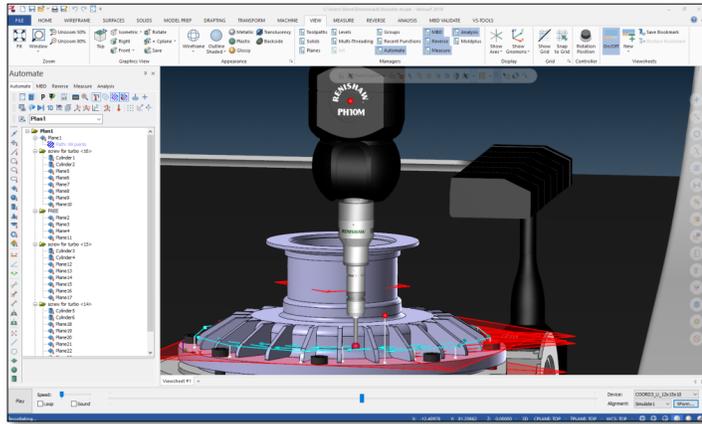
# UNIVERSAL CMM

VERISURF

**OPERATE ANY CMM  
WITH VERISURF**

## ELIMINATE COSTLY CMM RETROFITS

Universal CMM is a software-only solution that enables seamless communication between Verisurf AUTOMATE and popular CMM and head controllers. Just click on the CAD features you want included in your AUTO inspect plan and run your CMM.



Use Verisurf Automate with Universal CMM to interactively build, edit and run inspection plans by clicking directly on the CAD model features you want to verify.

**New Open Solution:** You no longer need to tolerate the outdated metrology software that came with your CMM. Now, Universal CMM lets you run Verisurf on common brands of motorized CMMs from the world's leading manufacturers. This means you don't have to maintain different metrology software for each proprietary CMM or endure reduced productivity because the one person who knows how to use the proprietary software is unavailable.

**It Just Works:** Universal CMM enables direct, plug-&-play communications between the most common CMM brands and Verisurf's open-standard I++ client. The result is an easy-to-use system offering productivity improvements that have benefited the many global manufacturers who select Verisurf.

**Easy, Affordable, Risk-Free:** Because it is a software-only solution, Universal CMM eliminates the need for costly and disruptive controller and probing system hardware upgrades or retrofits. Typically, installing and configuring your new Universal CMM software is all that is required to start using Verisurf on your existing CMM. This means you can continue to use your legacy software and inspection programs if necessary to avoid productivity interruptions while your team migrates to using Verisurf.

**A Complete Solution:** In addition to communicating with your CMM and probing system controllers, Universal CMM will utilize existing CMM error map files on your CMM's controller or client PC and apply this information for error correction during operation.

## UNIVERSAL CMM FEATURES AND BENEFITS

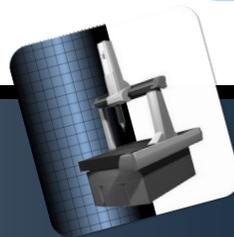
### Features

- Enables seamless, standards-based plug-and-play communication between Verisurf & all common CMMs
- Drives CMMs from Brown & Sharpe, DEA, Leitz, Mitutoyo, Wenzel, & Nikon (LK)
- Works with head controllers from Renishaw, Tesa, & Leitz
- Performs error mapping compensation for: geometric, volumetric, orientation, positioning, and kinematic errors

### Benefits

- A software-only solution that eliminates the need for expensive hardware upgrades & retrofits
- Uncouples CMM HW & SW selection decisions; choose the best of each to meet your needs
- No upgrade risk: continue to use legacy inspection plans if needed while transitioning to improved system
- Leverage Verisurf skills on mobile & stationary CMMs

**Universal CMM**



CAD



MEASURE



BUILD



ANALYSIS



REVERSE



AUTOMATE



PROJECT



VALIDATE

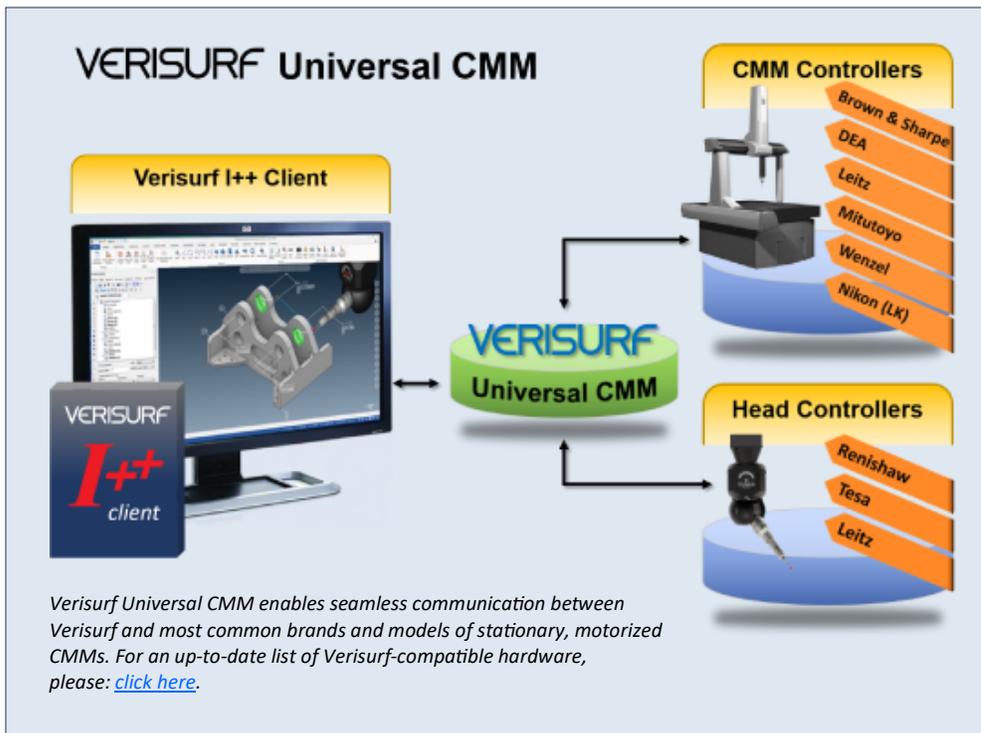


# UNIVERSAL CMM

**A SOFTWARE-ONLY,  
STANDARDS-BASED  
COMMUNICATIONS  
INTERFACE**

And of course, Verisurf provides the initial setup, configuration, and testing to get you going as well as instructor-led training and expert technical telephone support services to ensure the smooth, ongoing operations you expect.

**Get More with Verisurf Automate:** Once Universal CMM is set up, you can begin using [Verisurf Automate](#) to interactively build, edit, preview, and submit inspection plans to your CMM. Verisurf Automate users are immediately productive with a rich 3D environment that includes an object oriented operations manager, point-and-click CAD feature extraction, and solid model associativity. User productivity is enhanced with file recognition, logical right mouse click options, customizable user configurations drag and drop operation reordering and much more. Automate's intuitive 3D experience helps users effectively and efficiently program and automate CMM operations. You can even open new instances of Verisurf and author or edit additional inspection plans while your CMM is executing a plan and displaying live probe movement and deviation results in a separate window - compounding productivity even further.



## Supported CMMs:

Manufacturer	Model
Brown & Sharpe/DEA Controllers	FB2, B3C, DC240, DC800, RC1, Sharp32
Brown & Sharpe DCC CMMs	Global Advantage, Global Performance
DEA DCC CMMs	Alpha, Bravo, Global Advantage, Global Classic, Global eXtra, Global Performance, Global Silver SF, Lambda Slant, Lambda SP, Mercury, Micra, Pioneer, Prima RI, Toro, Tracer
Leitz Controllers	B3, B4, B5
Leitz DCC CMMs	Infinity, PMM-C, PMM-F, PMM-G, PMM-Xi, Reference XT
Mitutoyo Controllers	CMMC, 1, 2, 3, 5, 6, & UC 100, 200, 300, 400
Mitutoyo DCC CMMs	Bright Apex, CARBstrato, CARBapex, Crysta-Apex, Falcio-Apex, Legex, Strato-Apex, Mach Ko-Ga-Me
Wenzel Controllers	Eagle, 2040, 2030, 2020, 2010
Nikon (TCP/IP Controllers)	All models manufactured after 2000
LK (TCP/IP Controllers)	All models manufactured after 2000
Sheffield Controllers	UMP360
Stiefelmayer CMMs	SbElektronik

**The Right Solution for You?** If you agree that stepping up to Universal CMM with Verisurf will streamline your inspection workflows, save time and accelerate productivity as many manufacturers have already experienced, we'd like to talk to you. Please call Verisurf Software for a no-cost CMM system assessment to determine if Universal CMM is right for you.

