

June 2010

## Building fixtures and jigs using the new flexible Build/Inspect mode

PolyWorks offers a Build/Inspect probing mode that guides users in a part assembly or part positioning process by displaying a distance in real time between objects and the actual probe tip position. Such a probing mode is critical when building fixtures and jigs. When preparing a Build/Inspect session, users pre-select a list of objects (Features and References), then configure for each object:

- The distance type (Distance to center point, axis, surface, or boundary)
- The tolerance type (3D or XYZ)
- The probe tip compensation method

Once the mode is started, users have access to outstanding building aids such as real-time distance display (DRO), intuitive dynamic 3D scene display, and audio guidance.

The Build/Inspect mode was first released in October 2009. Two object-building strategies were available until now. Objects could be built sequentially, one at a time. Or, the Build/Inspect mode could be run in auto-detect mode, in which case the closest object was built.

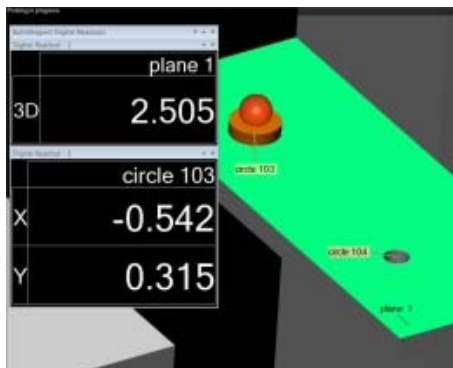


Image 1: Fixture building guided by real-time distance display to multiple objects

In the upcoming patch 11.0.20 (planned for early July), a third strategy will be available. Users will have the ability to visualize distances to multiple objects simultaneously. This new *multiple DRO* technique will be very convenient to quickly position a part with respect to a global coordinate system with a minimum of software manipulations.

## Four new instrument plug-ins available in PolyWorks

In May and June, InnovMetric released new versions of PolyWorks that incorporate four new instrument plug-ins:

- A laser tracker plug-in for the new Leica AT401 model
- A laser scanner plug-in for the new Steinbichler Probe Scanner
- An articulated arm plug-in for the new Romer Absolute arm
- A laser scanner plug-in for the Romer Absolute arm scanning peripherals

Two of these instruments were commercially released in April and one was released in May. InnovMetric's prompt response to these recent hardware releases demonstrates its continued commitment to deliver a truly universal 3D metrology software platform to its customers.



## Save 100\$ on your IPUM 2010 Registration Fee

Early Birds ends August 31, 2010

The upcoming PolyWorks User Meeting is your chance to discover the new PolyWorks V12 software suite before it hits the market. IPUM 2010 will be packed with several presentations and workshops on the new tools and applications of PolyWorks V12. This is a unique opportunity to learn directly from our Application Specialists and to make sure you will be up and running when the new PolyWorks V12 gets in your hands.

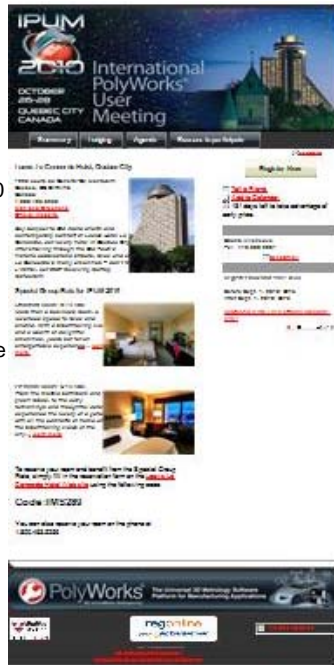
Several 3D digitizer manufacturers have confirmed their participation to the 3D Metrology Hardware Pavilion and will be available to show you the latest 3D digitizing technologies.

InnovMetric is proud to announce that FARO Technologies will be the IPUM 2010 Gold Sponsor and that it will be sponsoring the banquet dinner on October 27, 2010. Other sponsors are to be announced as we get closer to the event.



Register today at [www.innovmetric.com/ipum2010](http://www.innovmetric.com/ipum2010)

Need to convince your boss of the merits of the IPUM 2010? Here are some [convincing arguments!](#)



## PCMM: The force behind PolyWorks in South Korea

### PolyWorks Distributors since 2002

PCMM, formerly known as EXA, is a 3D metrology solution provider based in Incheon, South Korea, since 1996. In 2002, PCMM met with InnovMetric and signed an agreement for the distribution of the PolyWorks software suite.

PCMM sold its first PolyWorks license in 2002 to Hyundai MOBIS, along with a FARO ARM and the 3D Scanner ModelMaker scanner. That first entry in the automotive market led to several other sales over the years. Recently, PCMM installed several PolyWorks seats at Hyundai Motor Company and has worked closely with HMC to set PolyWorks as their standard 3rd-party software for point-cloud-based inspection.

"PCMM has been a precious partner for InnovMetric from day one," said Marc Soucy, President of InnovMetric Software Inc. "They have always shown perseverance, hard work, and loyalty. We foresee great results for them in the South Korean automotive and aeronautic industries".

For more information on PCMM, visit [www.p-cmm.com](http://www.p-cmm.com)



## Opening of PW Technical Support (Thailand) Co., Ltd

Since May 2010, PolyWorks users from South-East Asia now count on a new technical support partner based in Bangkok, Thailand.

PW Technical Support (Thailand) will also serve as a resource for PolyWorks distributors in South-East Asia for pre-sales support and demonstration.

The office is headed by Mr. Chaiyasit Thongplo, who has several years of experience and a solid knowledge of the PolyWorks software suite.

To contact PW Technical Support (Thailand), please write to: [chaiyasit@pwthailand.com](mailto:chaiyasit@pwthailand.com)



## Upcoming Events

June 23-25, 2010  
[Design Engineering & Manufacturing Solutions Expo Tokyo](#)  
Tokyo, Japan

July 12-16, 2010  
[CMSC 2010](#)  
Reno, NV, USA

September 13-18, 2010  
[IMTS 2010](#)  
Chicago, IL, USA

September 13-17, 2010  
[MSV \(International Engineering Fair\)](#) Brno, Czech Republic

September 22-25, 2010  
[Expomac 2010](#)  
Curitiba, Brazil

September 28-30, 2010  
[Control-Tech 2010](#)  
Kielce, Poland

For more information on these events, click [here](#).

## New PolyWorks Distributors

Positioning Solutions Company  
Territory: USA  
PolyWorks bundled with: Topcon ScanMaster  
Contact: [Kelvin Caudell](mailto:Kelvin.Caudell@psc.com)  
[www.1psc.com](http://www.1psc.com)

Alicona Imaging  
Territory: Worldwide  
PolyWorks bundled with: InfiniteFocus, EdgeMaster, IF-ToolPrecision, and IF-Portable systems  
Contact: [Brian Kyte](mailto:Brian.Kyte@aliconasoft.com)  
[www.aliconasoft.com](http://www.aliconasoft.com)

## Subscribe to the Tips & Tricks Newsletters

The InnovMetric Technical Support Team distributes a weekly "Tips and Tricks" newsletter that provides a short description of specific tools and features of PolyWorks.

To subscribe to the Tips & Tricks and IMFlash newsletters, visit the [Newsletters section](#) of our Web site.

You can also download the previous "Tips and Tricks" newsletters from the Tutorial section of our [Technical Support Zone](#).

