



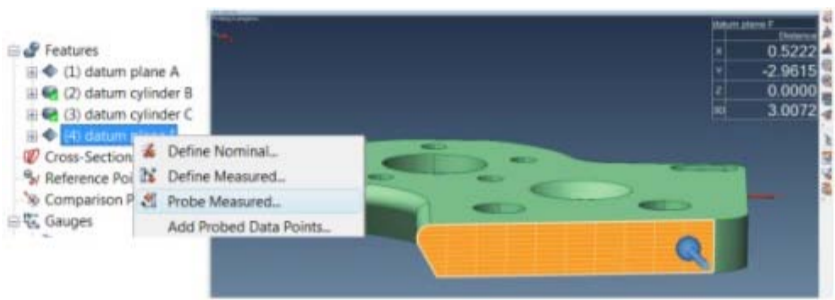
March 2011

PolyWorks V12 Integrates the New DirectReplay(TM) Re-Measurement Technology into its Universal 3D Metrology Platform

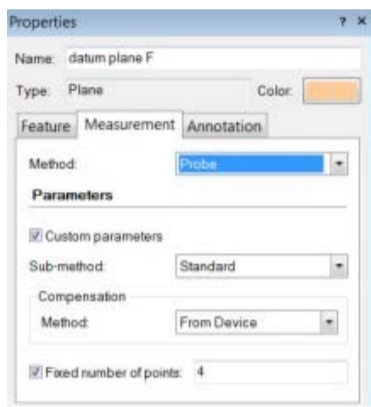
InnovMetric Software is pleased to announce that the version 12 of PolyWorks incorporates the new *DirectReplay* technology that dramatically simplifies multi-piece inspection tasks performed with any point cloud digitizer or tactile probing device. *DirectReplay* relies on a totally new self-learning software architecture in which the operator's intent is directly embedded in the inspection project itself. PolyWorks V12 offers four critical benefits to those who need to inspect multiple pieces.

Self-learning parametric traceable projects

The inspection project is always in-sync with the operator. All measurement parameters are automatically recorded within measurement objects, and all report items (tables, snapshots, etc.) precisely retain the conditions in which they were created, guaranteeing a total project repeatability under all circumstances.



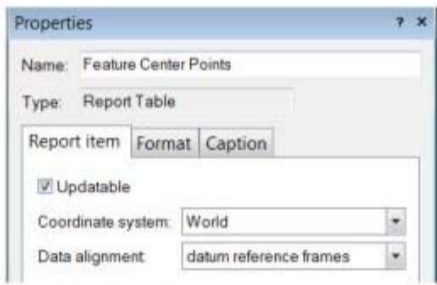
Object 'datum plane F' is measured using a probing device



The measurement method and its parameters are recorded in the object properties

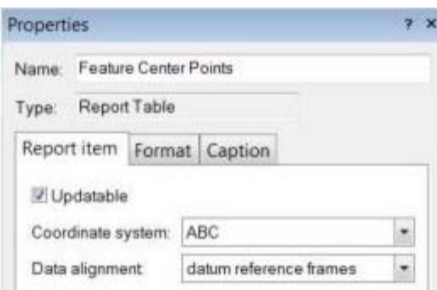
Adaptive learning capabilities

At any time, the operator can modify the inspection project and initiate the measurement of a new piece. For example, measurement objects and reports in an existing project could first be adjusted or updated, and the modified project could then be directly used to control a new piece.



Name	Nom. X	Nom. Y	Nom. Z	Meas. X
circle 1	-60.000000	-89.111851	12.700000	-60.010965
circle 2	-20.000000	-82.058770	12.700000	-19.984574

Table originally generated using the World coordinate system



Name	Nom. X	Nom. Y	Nom. Z	Meas. X
circle 1	-0.000066	0.000011	-0.000000	-0.010673
circle 2	40.616998	-0.000011	-0.000000	40.630628

Table automatically updated by switching to the ABC coordinate system

Flexible re-measurement process

While measuring a new piece using *DirectReplay*, operators may interrupt the re-measurement process and perform interactive operations, and then resume re-measurement. *DirectReplay* also allows customizing the measurement process and report of each piece, a very handy capability within a product engineering context where one specific piece or assembly may require further investigation.

Universal 3D metrology platform

DirectReplay is designed for the PolyWorks universal platform and handles all point cloud digitizers as well as all tactile probing devices such as articulated arms, optically tracked touch probes, laser trackers, and manual CMMs.

PolyWorks V12 is scheduled for pre-release in April 2011, and will be demonstrated at the *Control* tradeshow held in Stuttgart, Germany, on May 3-6.

Join us on Twitter!

Follow us on [Twitter](#) to get the latest news on PolyWorks, latest patches, upcoming events, tips & tricks, and more. To instantly receive our tweets on your mobile phone or computer, simply [create your Twitter profile](#) and add "PolyWorks" to your list.



PolyWorks V12 Product Launch and Training Sessions in California and Michigan

The most anticipated unveiling of PolyWorks V12 is set to take place on May 17-19 in El Segundo (Los Angeles), CA, and on June 7-9 in Novi (Detroit), MI.

On Day 1, InnovMetric will present the new functionalities available in PolyWorks V12, including:

- New self-learning capabilities in PolyWorks/Inspector that allow users to directly re-measure a new piece without scripting
- A new parametric 2D sketcher in PolyWorks/Modeler

Following the first day, InnovMetric's Application Specialists will provide a two-day technical training on the new tools of PolyWorks V12.



For more information, visit the official Web site of these events:

[PolyWorks V12 West Coast USA Product Launch, May 17-19, 2011](#)

[PolyWorks V12 Midwestern USA Product Launch, June 7-9, 2011](#)

Upcoming Events

March 31- April 1, 2011
[10th Duwe-3d AG PolyWorks@ User Meeting](#)
Lindau, Germany

April 28, 2011
[Journée de la Métrologie en Aéronautique \(JMA\)](#)
Montréal, QC, Canada

May 3-6, 2011
[Control 2011](#)
Stuttgart, Germany

May 17-19, 2011
[Eastec 2011](#)
W Springfield, MA, USA

May 17-19, 2011
[PolyWorks@ V12 West Coast USA Product Launch](#)
El Segundo, CA, USA

May 24-26, 2011
[SME Rapid 2011](#)
Minneapolis, MN, USA

June 7-9, 2011
[PolyWorks@ V12 Midwestern USA Product Launch](#)
Novi, MI, USA

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

New PolyWorks Distributors

Amrikart Ressource Cybernétique
Territory: Quebec, Canada
PolyWorks bundled with: Nikon 3D Digitizers
Contact: Nathalie Tremblay
[www.amrikart.com](#)

SPG Data 3D
Territory: Worldwide
PolyWorks bundled with: Accu3D
Contact: Olivier Gaston
[www.spgdata3d.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 the IMFlash newsletter, 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](#).

