

Perceptron Plugin of 8/20/2004

Release Notes version B

Enables Geomagic Studio and Geomagic Qualify to operate with Perceptron Scanner

Technical Support

Raindrop Geomagic, Inc., P.O. Box 12219, Research Triangle Park, NC 27709

Phone: toll-free in the USA (800) 251-5551, or (919) 474-0122

Fax: (919) 474-0216

Technical Support: support@geomagic.com, (919) 474-3036, or toll- free in the USA (800) 251-5551

Training Questions: training@geomagic.com **Licensing Questions:** license@geomagic.com

Web Site: <http://www.geomagic.com>

Prerequisites

- This upgrade requires Geomagic Studio 6 [SR4] **or** Qualify 6 [SR2] **or** Qualify 7.
- To verify your current Studio revision, launch the application and select **Help -> About Geomagic Studio 6 (SR x)**. The text box at the top of the dialog will indicate the current software revision.
- To verify your current Qualify revision, launch the application and select **Help -> About Geomagic Qualify 6 (SR x)**. The text box at the top of the dialog will indicate the current software revision.

Installing Hardware and Software

1. Read the ScanWorks manual for installation and setup of hardware and software. In summary: install WinRDS, install CimCore/Perceptron ScanWorks software, install the arm and scanner, calibrate the arm and scanner, and make a test scan.
2. Verify installation of Geomagic Studio 6 SR4 or Qualify 6 SR2 or Qualify 7.
3. Obtain scanworksgpi.dll, typically from the \3rdParty\Perceptron\PlugIn on the Qualify 7 distribution CD, and copy it to the default plugins directory for the Geomagic product, such as: C:\Program Files\Raindrop Geomagic\Geomagic Qualify 7\plugins\

New Features in Perceptron Plugin

1. During a scan, the data points are automatically calculated into a shaded polygon mesh and are displayed in real time.
2. Added the ability to ignore scan points beyond a specified angle, resulting in cleaner data.
3. It is now possible to perform a smoothing operation on each scan line as it is received from the scanner, resulting in cleaner data.
4. A zoomed view of the scan appears in the Viewing Area automatically.
5. A scan can now contain an unlimited number of points.