# Geomagic FARO Plugin
## Version 5

Release Notes

Enables Geomagic Studio and Geomagic Qualify
to operate with FARO 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

## NOTICES:

- This upgrade requires on Geomagic Studio 6 [service release 4] **or** Geomagic Qualify 6 [service release 2].
- To verfiy 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 verfiy 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.

---

## Instructions:

1. Download GeomagicFaroPluginInstaller5.exe to your computer
2. As a user with Administrator privileges, run GeomagicFaroPluginInstaller5.exe
3. Verify that the install directory is correct, and press Yes.

---

## New Features in FARO Plugin, version 5

1. During a scan, the data points are automatically calculated into a shaded polygon mesh and are displayed in real time.

2. Added the "Last Test Model Alignment" button, which specifies that the spatial orientation be based on the most recent reference and test object alignment.
3. It is possible to collect features and datums before collecting scan data.
4. Added the ability to ignore scan points beyond a specified angle, resulting in cleaner data.
5. It is now possible to perform a smoothing operation on each scan line as it is received from the scanner, resulting in cleaner data.
6. A zoomed view of the scan appears in the Viewing Area automatically.

## Fixes in FARO Plugin, version 5

1. Increased the sensitivity of the red and green buttons on the FARO scanner.
2. Datum planes now have a user-defined normal.
3. 3-2-1 Alignment now strictly enforces the right-hand rule.
4. A scan can now contain an unlimited number of points.