

# Geomagic FARO ScanArm Plugin 12.0

Release Notes version A, April 18, 2007

Enables Geomagic **Studio 9 sr 3** and *subsequent* releases,  
and Geomagic **Qualify 9 sr 1** and *subsequent* releases  
to operate with FARO ScanArm

## Technical Support

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## Prerequisites

This plugin requires a Geomagic product listed in the heading. To verify your current version, launch the application and select **Help -> About Geomagic ProductName**. The text box at the top of the dialog indicates the current software version.

This plugin requires FARO driver 5.4.0.2 or subsequent release.

## Installation

1. Verify that the USB cable between the FARO equipment and the PC is disconnected.
2. Verify installation of Geomagic product listed in the heading.
3. Uninstall any version of the plugin. Click **Start | Control Panel | Add or Remove Programs**, click **Geomagic Plugin for FARO N**, then click **Remove**.
4. Log in to Windows as a user with administrative privileges.
5. Obtain the FARO device driver installer named **FaroArmUsbDriver5402.exe** from the Geomagic installation CD or website.
6. Obtain the installer named **FaroSetup12.exe** from the Geomagic website.
7. Run the device driver installer.
8. Reboot the computer.
9. Run the plugin installer.
10. Connect the USB cable between the FARO equipment and the PC.

## User Instructions

See "*FARO ScanArm Plugin, Document Version G*".

## New Features in this Geomagic FARO Plugin

In addition to the **OK** and **Cancel** buttons that can be pressed at the conclusion of a **Hardware Alignment, Features and Datums, Laser Capture, Probe Capture** or (in Qualify only) the **Laser Compare** process, there is a new **Merge>>** button. The **Merge>>** button closes the plugin and pops up the **Merge Scans** dialog for the purpose of merging any set of objects that exist in the Model Manager. The Merge Scans dialog can also merge the Features and Datums from a specified object into the merged result. This mechanism eliminates the need to perform similar actions manually using multiple commands in the Studio or Qualify application. See the *User Instructions* for details.

## Known Issues with this Plugin

- The user interface is available in English, Spanish, French, German, Italian, Japanese, and Chinese, but the new **Merge Scans** dialog appears in English only.
- Under unusual circumstances, the value in the **Max. Deviation** field of the Laser Compare function unexpectedly jumps to 0, causing the next data collection process to give no results. If a data collection process yields a blank Viewing Area, manually set **Max. Deviation** to an appropriate value. Note that **Max. Deviation** has a maximum value that is determined by the geometry of the Reference object, meaning that the value that appears in the field might be lower than actually entered by the user.