

# What's New in SA

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## SA 2013.01.09

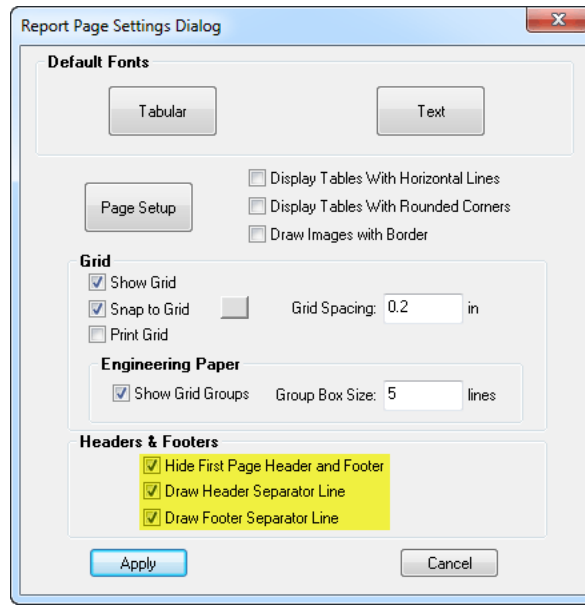
### Jump To Views

You can now jump back and forth through previous views using **View>View Control>Go to Prev View** and **>Go to Next View** or using the **Ctrl+Alt+←** and **Ctrl+Alt+→** keyboard shortcuts. This allows you to jump to a previous (or next) view on which you remained for at least 1 second.

### SA Report Header and Footer Improvements

The SA *Report Page Settings* dialog has new header and footer settings. A new *Hide First Page Header and Footer* option will prevent the header and footer from displaying on the first page so that you can include a customized first page such as a title page.

There are also two new options which, when enabled, will draw the separator line below the header or above the footer: *Draw Header Separator Line* and *Draw Footer Separator Line*.



## Relationship Trapping by Selection

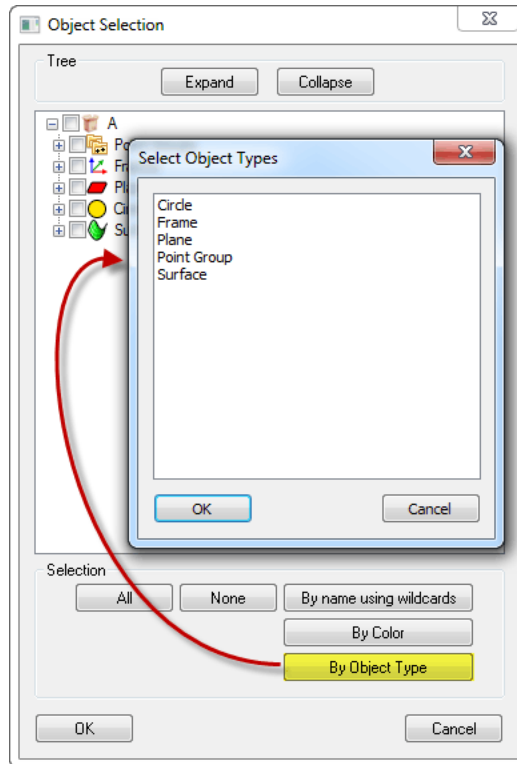
You can now trap points to a relationship by selection. For example, with a circle geometry relationship, if you want to add points to the circle fit, you can individually click points to add to the fit without having to reselect all of the points.

To trap additional points by selection, right-click a relationship in the tree and select **Trap Selections** from the context menu. Then click points to add to the relationship. When finished, press **ESC** or **Enter**.

## F2 Selection by Object Type

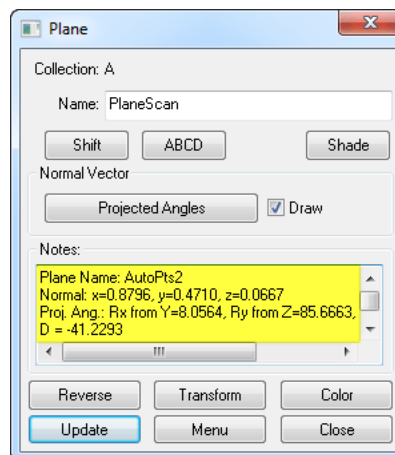
In object selection commands (such as **Delete Object**), you can now F2-select objects by type. For instance, you can quickly select all circles in the **Object Selection** dialog by clicking the new **By Object Type** button. When the **By Object Types** window appears, select one or more object types from your job, then click **OK**. All objects of that type will be selected.

The **By Object Types** window allows toggle selection, so that multiple types can be selected simultaneously. Simply click a row to toggle its selection state.



## Fit Results from Instrument Interface

When geometry is created via a measurement profile, the results of the fit (residuals, weighting, etc.) are now stored in both the geometry's notes and the instrument history. Data is stored for up to 500 points to control file size.



## Steinbichler AC File Format Support

Files formatted in the .AC file format that originated from a Steinbichler scanner (such as a T-Scan) can now be imported via the **File>Import>Custom Formats>Steinbichler AC File** menu.

## T-Mac Tracker Pilot Support

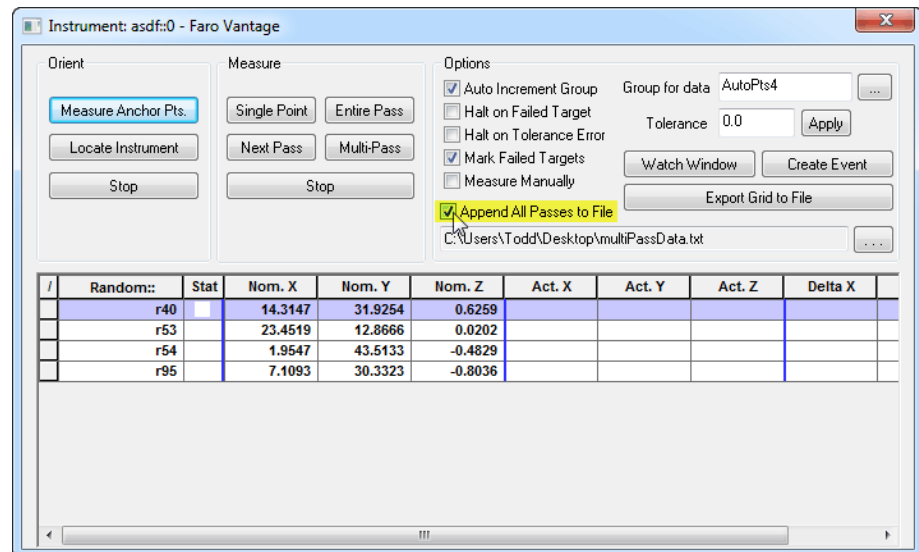
Support has been added for Leica's Tracker Pilot T-Mac to run manufacturer checks and compensations. If you have emScon v.3.8 or higher, you will need to install Leica Tracker Pilot T-Mac. This augments the check/configure/compensate functions found in the emScon Web App Server.

To run these new routines, select **Check/Cal>Tkr Specific (Mfcr)** from the tracker interface. You will be given the choice of running the T-Mac Tracker Pilot functions, or the Web App. As with the 401, the interface will disconnect from the tracker before running TP commands, and reconnect after.

If you are running an emScon version lower than 3.8, the Web App will be launched immediately, as always.

## Multi-Pass Auto-Measure File Export

While performing automatic measurement using the **Instrument>Automatic Measurement>Auto Measure** command, a new *Append All Passes to File* option allows you to specify a file for export. SA will then append each pass of automatic measurement to a file.

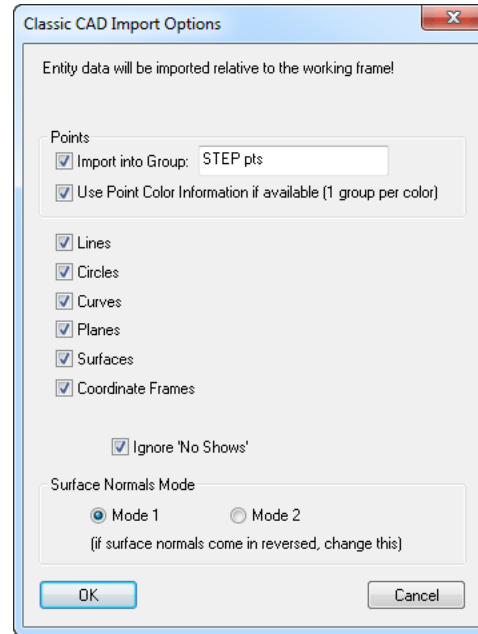


## Relocating Pictures to Another Collection

Pictures can now be moved to different collections. You can move the whole collection's pictures by right-clicking the **Pictures** category in the tree and selecting **Move all to another Collection**, or an individual picture by right-clicking the picture and selecting **Move to another Collection** from the context menu.

## Standard CAD Import: Match Point Color

When importing a standard CAD file via **File>Import>Standard CAD Formats**, a new *Use Point Color Information if available (1 group per color)* option will set the group of an imported point to match the same color as the source CAD file's point, if that color is available. Of course, since a point group can only have one color, this option will create a new point group for each color, and organize the points into different groups by color.



## LPT Laser Projector Enhancements

A new **Browse** button has been added next to the online projector part. This allows you to upload parts from the current job's part database, and fully enables 2-way communication with the parts database. Plies are still added to the current part in the database as you project from SA, as always.

At startup, the interface looks for the current projector part in the LPT database. If it is found, the part is automatically uploaded from the database to ensure synchronicity. This is also true for the MP "Set Part Name" command.

Units are now supported passively. The current job's units of measure are queried at start up time, and everything written to the database is written in those units. The job name and its units are now displayed in a new connection status indicator at the top of the main interface window.

## RDS v3.6 Support

Support for v3.6 of Hexagon's RDS has been added.

## New MP Commands

For details on these new MP commands, see the [MP Command Reference](#).

- **Move Robot/Machine to Joint Pose (6DOF).** Permits you to explicitly set the joint values for 6DOF robots and machines.
- **Simulate Robot/Machine Path, Output CSV File.** This command will simulate a robot's path through a set of frames and export the joint values to a text file.
- **Set Vector Group Report Options.** Sets all of the report options for a vector group.
- **Set Relationship Report Options.** Sets all of the report options for a relationship (group to group, points to objects, clouds to objects, and point to point).
- **Set Point Delta Report Options.** Creates report options which can then be referenced by the *Set Vector Group Report Options* or *Set Relationship Report Options* commands.

For additional improvements, changes, and fixes, please refer to the SA Readme file.