

# Release Notes GC-PowerPlace v12.2

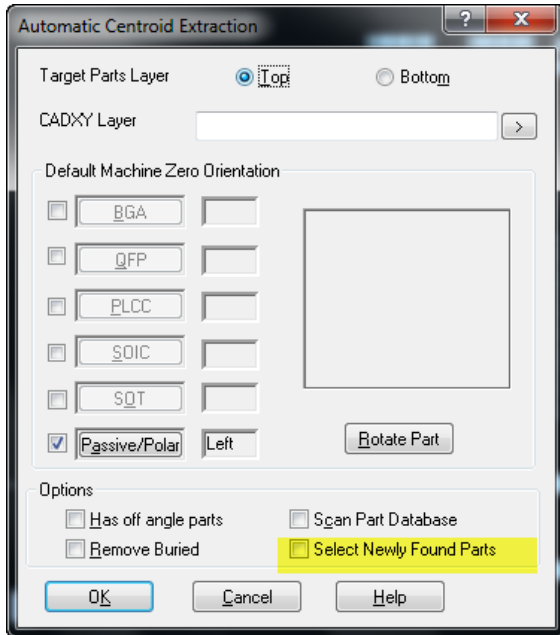
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## Enhanced Features

### Automatic Centroid Extraction

In order to streamline the finding and verification of part information using Automatic Centroid Extraction (ACE) a switch to keep found components selected has been added.



The idea is that by using the ACE function multiple times (for BGA,QFP,PLCC, then again just for SOIC etc.) the components found during each pass can be immediately verified in terms of rotation and centroid location.

### RS-274X import

A switch has been added to allow the correct image to be presented if the RS-274X file being imported incorrectly assumes the Macro21 primitive center is the point of rotation. The updated RS-274X specification now explicitly describes the correct interpretation of custom aperture macros and it is expected that this option will be very rarely needed by users.

### On Line Help

All products have finally had their On Line Help files updated to the HTMLHelp format, allowing the Help file to appear within the product again.

## Items Fixed since v12.1.4

This list is customer reported issues fixed for this release.

#118 Modified the code for both the Multi-up Recognizer function and the Advanced Scan and Replace function to avoid the creation of a temporary file in the installation directory. Unless the application was being run in Administrator mode, this caused problems in Windows7 operating system.

#116 Teardrop creation crash fixed.

#114 Added an option allowing the correct handling of incorrectly formatted RS-274X data.

#104 Added option within the ACE dialog to retain selected state for identified components.

#103 Missing and duplicated toolbar buttons have been added or modified to correctly present a valid toolbar button for all functions.

#99 A new DFM function detecting Soldermask coverage has been added.

#98 Updated the sliver detection algorithm within the DFM function to correctly detect a sliver created by a small, isolated, area of photo resist.

#97 Fixed a bug that resulted in a value of Zero being returned when running Copper Area Calculation on polygon apertures created by the user.