

Release Notes GC-PowerPlace v25.1

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New and Improved Features

Contour Engine enhanced with AI

The contour engine is essential to the functioning of all GraphiCode products. It is used heavily throughout all our products, and we have been working very hard over the years to improve the accuracy of the algorithm, as well as maintaining the speed of the algorithm. We are now using Artificial Intelligence (AI) to enhance the accuracy of the process, making use of all the advantages that AI can provide. Given the central nature of the contour engine to the software, we are introducing the enhanced contour engine gradually with Layer Compare being the first function to make use of the updates.

Diameter and Arc Radius Markup

The Add Dimension function has been enhanced to allow the diameter of holes and the radius of arcs to be automatically added. The Markup section of the dialog now adds the Diameter of any round feature selected or radius of any Arc selected by default. The information can be overwritten if that is not the required information to retain flexibility to the functionality.

Added Plugin functions

A number of plugin functions have been added to enhance the customization of the product. Details can be found within the Intellisense for the plugin.

Items Fixed since v24.2

This list is customer reported issues fixed for this release.

#815 Fixed a bug within the Add Markup if the entered text was left blank.

#812 Added the ability to add the diameter of any round feature (pad or hole) when using the Add Dimensions function. Also, if an arc is selected as the feature of the Markup, the radius if that arc is given as the primary option.

#811 Excellon Drill export has been enhanced to correctly handle certain slot constructions within the GWK.

#810 Updated the PADS ASCII import to correctly described drill slots. The slots now correctly display in the software as slots rather than as a centered drill hole (as previously displayed).

#809 The Plugin.chm help file is now included with the standard product installation package. Previously this file had been supplied on request.

#808 Mix color mode did not work optimally with certain layer color combinations. Issue has been resolved.

#807 Fixed an issue within the Tool Compensation function due to a failure in the Contour engine.

#806 Loading this DXF resulted in duplicated lines throughout the entire layer. This issue has been resolved. It was data specific.

#804 Component height is loaded from ODB++ files, when present. Component Height is displayed in the Properties Page of the Part.