

# Release Notes GC-PowerStation v16.2

## Table of Contents

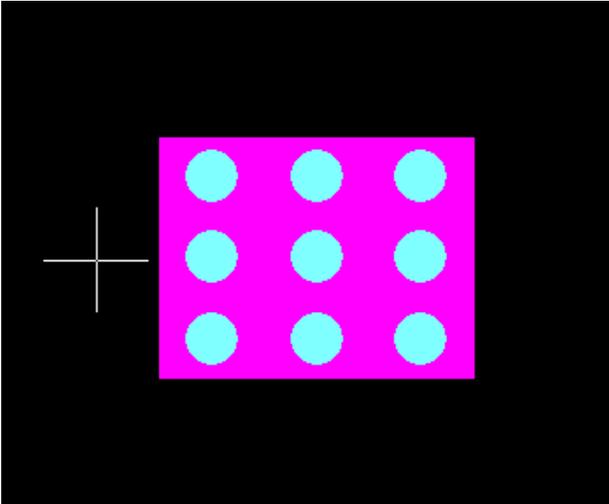
<b>NEW FEATURES .....</b>	<b>2</b>
DOT MATRIX PATTERN .....	2
ADDED NUMEROUS PLUGIN FUNCTIONS .....	2
FLEXSERVER SECURITY UPDATE .....	2
<b>ITEMS FIXED SINCE V16.1.....</b>	<b>3</b>

## New Features

### Dot Matrix pattern

A additional option has been added to the Pad Split function to generate a dot matrix pattern using Round apertures. The Splitting of a large rectangular shaped pad into an array of round pads uses the current user interface with the addition of an option to use Round pads.

Selecting this option defaults to using a Round pad with the diameter of the pad set to the smaller of the width or height of the created rectangular shape.



### Added numerous 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.

### FlexServer security update

A vulnerability in the lmgrd and vendor daemon used to monitor floating licenses was detected and fixed by Flexera (the third party responsible for GraphiCode license management). As a result, GraphiCode has updated our GraphiCode FlexServer to incorporate these important changes. It is advised that any user of the GraphiCode FlexServer download and install the latest version.

## Items Fixed since v16.1

This list is customer reported issues fixed for this release.

- #448 Fixed a small bug with the Convert to Oblongs function.
- #447 Fixed a number of false positives generated by the Copper Exposure DFM check.
- #441 Added option to create Round apertures during Pad Split function.
- #439 Updated the End of subscription message box to give clearer information regarding possible options for updating software.
- #438 Added an option to NOT remove duplicated holes from the Excellon Drill Export.
- #437 Pad indexing issue caused failure of Excellon Drill file. This situation is now error-trapped and fixed on the fly.
- #436 Updated the Flex Server for security reasons.
- #435 Layer offset value was adversely affecting the results of Filter Inside function. This issue has been fixed.
- #433 Removed the link to Stackup Materials Database in the File Locations tab to eliminate unnecessary warnings.
- #432 Certain PC settings were leading to some dialog text not displaying fully. Changed the font being used so that the size is dynamically generated.
- #430 Added Shavemask function and the Exposed Copper DFM check to the Plugin.
- #429 Fixes to Plugin functions. We now correctly return the EDrill.IsVisible property and also correctly return the GWK path for an initially saved file.
- #428 Export Bitmap function now correctly displays images in the True Film mode.
- #426 Fixed an issue with an incorrect DXF image generation. Arc direction is now correctly displayed based upon any Z value applied.
- #422 DPF Export failed when layer name contained a '%' character. This issue was related to the '%' character being disallowed in the more common Gerber export.
- #419 Shave Pads algorithm was sometimes displaying DFM Results after running. The issue was caused by inaccuracies in floating number calculations within the process. A minor adjustment resolved this problem.
- #414 Updated the Refresh behavior to better identify polygon chains that have been selected graphically. The specific area of confusion was when the option to select the entire polygon chain based upon one segment was set to TRUE.
- #367 DFM Trace to Trace spacing violation within the same net now correctly identified for this dataset.
- #312 Arc direction issue fixed for DXF import. Same issue as #426.