GC PowerPlace™

Get Productive!

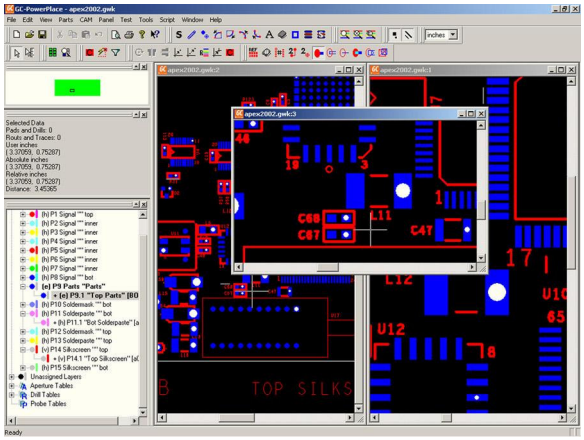
• Program Off-Line, Stay Productive

GC-PowerPlace provides customer driven enhancements and new features to streamline the process of Gerber data translation. GC-PowerPlace is the focal point of assembly programming, accepting data from virtually any source and producing programs and files for most PCB manufacturing applications.

Virtually all of the top contract manufacturers in the United States use GraphiCode products, but you do not have to be a large company to realize the value of GC-PowerPlace. Smaller facilities find the reliability of GC-PowerPlace well suited to their ever-changing data preparation needs.

• Key Features

- Automatically create part centroids from Gerber data
- Powerful and intuitive editing tools for stencil creation
- Generate overlay templates based on a part's extents
- Create and verify assembly programs off-line
- Ability to import and merge CAD XY files
- Improved installer to ensure a simple installation process



Find Parts Fast from Gerber Data!

• Input Formats

- Gerber: RS-274-D, RS-274-X
- CAD: ASCII Data
- EDIF 4 0 0
- NC Drill/Rout: Excellon, Sieb & Meyer
- DXF/DWG
- ODB++
- GraphiCode: .PWK, .CWK, .XWK, .GWK
- Other: HPGL, Barco (.DPF), FIRE AutoPLOT

• Output Formats Supported

- Gerber (RS-274-D, RS-274-X)
- HPGL, DXF, PostScript, DMPL
- Excellon, Sieb & Meyer
- IPC-D-356, IPC-D-356A
- GenCAD [UniCam, CircuitCam, GenRAD (Mitron)]
- FATF (FABmaster)
- SRFF (CyberOptics)
- User-defined output formats

• Program with CAD Data, Too!

While Gerber data is usually more accurate, it's faster to program from CAD XY centroid data. GC-PowerPlace gives you the best of both worlds by enabling you to verify CAD XY data without having a board in hand. GC-PowerPlace imports data from CAD text files (in ASCII format), including reference designators, X and Y locations, part numbers, package styles, rotations, feeder numbers, and board-side information. You can graphically compare this information with corresponding Gerber data and spot any discrepancies.

• In-Circuit Test Option

The in-circuit test option is a valuable software tool for printed circuit board assembly. Test engineers receive enhanced data preparation capabilities that affect profitability. Using Gerber data, a readily available data source, the in-circuit test option offers flexibility in ICT programming. There are many financial benefits of having the in-circuit test option including; speeding up a board's time to market, decreasing production time, and realizing a return on investment within 3 months.

• Output to CIM Systems

GC-PowerPlace can enhance your CIM system capabilities by providing Gerber input and data manipulation. GC-PowerPlace can be used to prepare data in the formats of popular CIM systems, such as UniCam, CircuitCam, GenRad (Mitron), and FABmaster.

• Produce Programs for All Popular Production Equipment

If you have production lines with different machines, you can produce programs for all of them from the same set of data. GC-PowerPlace stores data in a "neutral" database, from which programs can be produced for all popular pick-and-place machines and other manufacturing equipment. You can also use it to create programs for X-ray inspection equipment and dispensing equipment. Your sales department can even use it for preparing quotes.

GC PowerPlace™

Get Productive!

• Pick & Place Machines Supported

- Amistar
- Dynapert
- Europlacer
- Fuji
- Juki
- Permatek
- Philips
- Quad Systems
- Sanyo
- Mydata
- Siemens
- TDK
- Universal
- KME
- Panasonic

• Communicate Design Concerns with Your Customers

GC-PowerPlace directly reads files from GraphiCode's PCB data viewer GC-Prevue. Thousands of PCB designers use GC-Prevue to verify the designs and view the Gerber data. By using GraphiCode products, designers and manufacturers can communicate using a common data format and software tools. GC-Prevue is available free on GraphiCode's web site at: *www.graphicode.com*

• Enhance Manufacturability and Quality

GC-PowerPlace includes a full set of editing tools to ensure that your boards are ready for the assembly process. Users can also prepare stencil files before sending them to the stencil vendor. In addition, GC-PowerPlace enables you to add text, fiducials, and bad marks.

• Worldwide Support and Sales

GraphiCode's technical support and sales staff can be found throughout the world. Offices are located in China, United Kingdom, France, Germany, Hong Kong, India, Korea, Singapore, Taiwan, Thailand and the United States. Visit our web site for your local representative's complete contact information.

• System Requirements

- 400MHz Pentium or equivalent preferred
- Windows 2000, NT(v4.x), XP, 95 or 98: NT or 2000 preferred (runs on Windows 2000 with multiple monitors)
- 64MB RAM min., 256MB preferred
- 2 GB+ hard disk
- CD-ROM
- Windows accelerator video card with 2MB or more video DRAM
- 17" or larger monitor, 800x600 or greater resolution