



{comments off}

GC-PowerPlace is graphical CAM software for captive and contract PCB manufacturers. GC-PowerPlace accepts Gerber data along with an ASCII BOM file to create and verify assembly equipment programs off-line. Centroids are extracted automatically with sub-micron precision. GC-PowerPlace eliminates on-line assembly programming and verification. Typical Return On Investment (ROI) is less than 3 months.

PRODUCT FUNCTIONS

- Gerber to Pick & Place programs, GenCAD & FATF
- In Circuit Test option
- Create Stencil Data
- ODB++ import option
- DFM option
- Gerber to DXF, DXF to Gerber

[Store you custom parts in the Footprint Library](#)

[See GC-PowerPlace in action!](#)

□

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 Format 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**

Automatic Centroid Extraction

Automatic Centroid Extraction (ACE) automatically converts selected pads into SMT parts by calculating the centroid of each pad. Teach Part allows the user to manually teach through hole and custom shaped SMT patterns.

Find Reference Designators

The Find Reference Designators (FRD) performs character recognition on silkscreen data in order to find reference designators. This feature allows the user to import part numbers from a Bill of Materials (BOM) and merge the part numbers with the board data.

Assembly Analysis

A detailed analysis of the board can be obtained using the Assembly Analysis report. Many part properties can be assigned to part numbers or specific part instances, including Alternate Part Numbers, Part Properties, and Cost Option.

Advanced Stencil Editing (Optional)

The Advanced Stencil Editing (ASE) provides efficient stencil editing solutions, including Pick and Place Machines Supported.

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