



Innovation in Flex Manufacturing
GenFlex™
Version 2.5

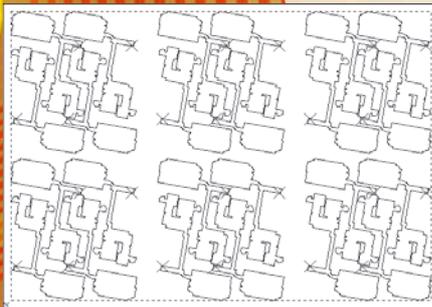
GenFlex™ 2.5 with New and Enhanced Features

GenFlex™ 2.5 delivers new and improved tools for analysis, automatic panelization and editing, and brand new functionality for rigid-flex boards – continuing to boost yields and shrink cycle time. In addition, you’ll find all Genesis 2000 version 9.5 enhancements, including new editing tools and new options for netlist optimization, analysis and DFM (design for manufacturing) tools.

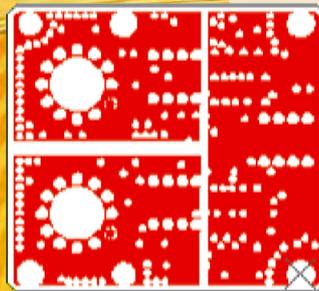
Out-of-the-box functionality

Feature highlights:

- Enhanced Automatic Panelization:
 - Rotate block any angle
 - Interlocking blocks of more than two steps
 - Automatic block creation by defining maximum block size
 - Special interlocking cases
 - Interactive block creation
- Layer profile creation for rigid-flex boards where rigid and flex layers have different boundaries. The Layer Profile Editor creates different layer profiles and combines them to create the board profile.



Enhanced Automatic Panelization



Layer Profile Editor



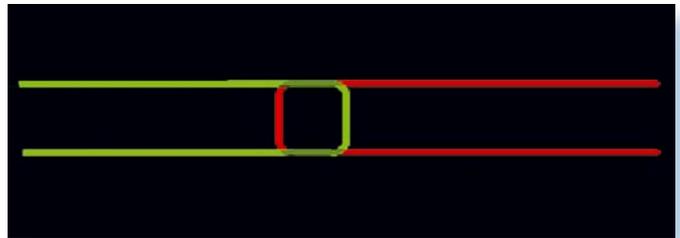
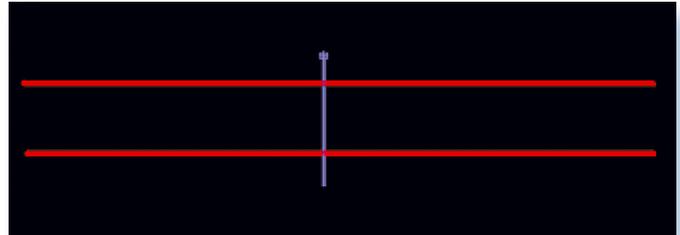
Layer profiles are used for editing: display layer profile/board profile/both, pattern fill, clip area, feature filter, snap and DFM/analysis run in layer or board profiles.

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- Improved Smooth Joints DFM – smoothes trace corners when one or both traces are very short
- Split Polyline – splits polyline into two overlapping polylines; used for punch and rout profiles



- Mirror by Axis – mirrors elements by defining a mirror axis in any angle, defined by two points on the axis
- InLink - Copies InPlan™ panelization data and drill sizes to CAM job

New Options in GenFlex™ 2.5

- **Tooling Hole Analysis**

Use Tooling Holes Checks to analyze sets of tooling holes. Ensure that tooling hole sets, on a single panel step or on a repetitive group of steps, are not symmetrical and are not confused with other tooling hole combinations at the production stage.

- **Rigid-Flex Checks**

Run Rigid-Flex Checks to analyze the flex layer part of a rigid-flex board, similar to Flex Board Checks. The following tests are included: bend area, air gap, coverlay, EMI and flex signal part analysis. Also checks the interface axis/area, rigid part connection flex part area, and the distance between the flex part and the rigid part.