Paneliz8tor
Intelligent PCB Panelization for Rigid, Flex and HDI PCB’s

- Intelligent Panelization
- Suitable for all type of PCB boards
- Nesting of different PCB jobs in same panel
- Generation of panel reproduction files (.prf)
- Define non panel zones
- Pre-defined production panels
- Create circuit arrays or use optimized nesting
- Define minimal board and circuit clearances
- Circuit rotation selection

Intelligent Panelization
Ucamco’s Paneliz8tor allows nesting of complex PCB circuits into panels using a sophisticated nesting algorithm offering maximized material utilization.

Suitable for all type of PCB boards
Paneliz8tor can be used for the panelization of every type of PCB like flex, flex-rigid and rigid circuit boards.

Nesting of single or multiple PCB jobs in same panel
Paneliz8tor can handle nesting of multiple jobs in a panel. If a flex job has layers with different shapes (e.g. stiffeners or coverlayer) it might be cost effective to generate separate optimized panels for these layers.

Generation of standard reusable panel reproduction files (.prf)
Paneliz8tor stores all panelization parameters into a .prf file. Operators can use this file e.g. to recreate the same panel at a later time in case of a circuit update.

Define non panel zones
Paneliz8tor allows you to define non-panel zones where it is not allowed to have panelized

Pre-defined production panels
Paneliz8tor allows you to construct your production or assembly frames in advance. When panelizing a job / layer you can visualize the resulting panels and select the panel with the highest yield or the one which fits your requirements the best.

Create circuit arrays and customer panels or use optimized nesting
If the outline of the PCB is circular, rectangular or L-shaped, the nesting can be done in a simple raster. If the PCB has an irregular shape Paneliz8tor can calculate an optimized layout for the selected production panel. If the customer provides his own panels than you need to panelize 2 times. Add the customer frame to your production-panel library and use Paneliz8tor to nest the circuits inside the customer panel. Than panelize the customer panel into a high yield production panel.

Define board and circuit clearances
Paneliz8tor offers separate entry field for X and Y board and circuit clearances

Circuit rotation selection
Paneliz8tor lets you choose between fixed or free rotation steps.
Ucamco protects your Investments

Ucamco has a longstanding tradition of protecting its customer’s investments. PANELIZE8TOR is no exception: it seamlessly hooks in to your existing UCAMX installation and reuses all of the available software setups or precious automation that you have diligently gathered and carefully maintained over the years.

Gerber Format
Convey your design intent from CAD to CAM
Support for:
- CAD netlist
- Nested Step & Repeat
- Fabrication documentation

Panelization of a job to the customer / assembly frame

Panelization of the customer / assembly frame to the production frame with the best yield or to the one which fits your requirements the best

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