

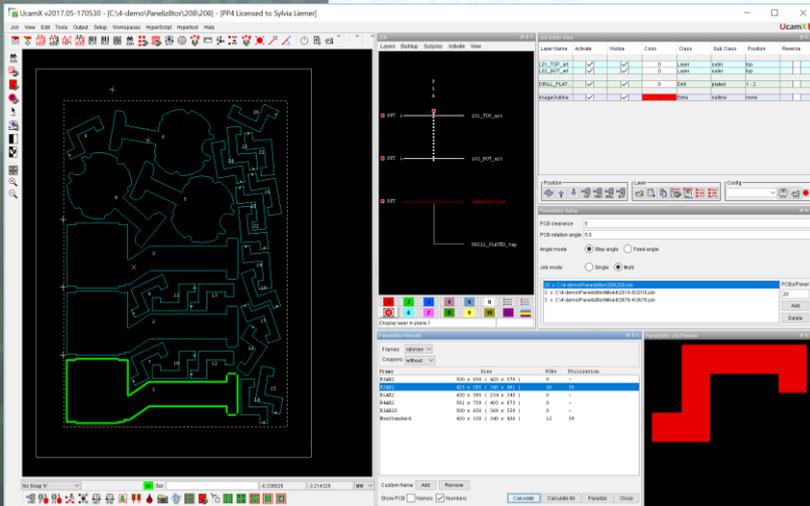
SOFTWARE

LASER PHOTO PLOTTERS

DIRECT IMAGERS

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

MARKETS

Rigid PCB Mfr ✓
 Flex PCB Mfr ✓
 Flex-Rigid PCB Mfr ✓
 HDI PCB Mfr ✓
 PCB Masslam Mfr ✓
 PCB Equipment Mfr ✓
 PCB Traders ✓
 PCB Designers ✓
 PCB Test Centers ✓
 IC Packaging ✓
 Chemical Milling ✓
 High Resolution Graphic Arts ✓
 Flat Panel Display ✓

PRODUCT FAMILIES

CAM ✓
 PreCAM and Engineering ✓
 Electrical Test ✓
 Equipment Front Ends ✓
 Format Converters & RIP's ✓
 OEM Software ✓

Laser Photo Plotters
 Direct Imagers

64Bit

Multi Core

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.

Scan QR code to see
Paneliz8tor Web page

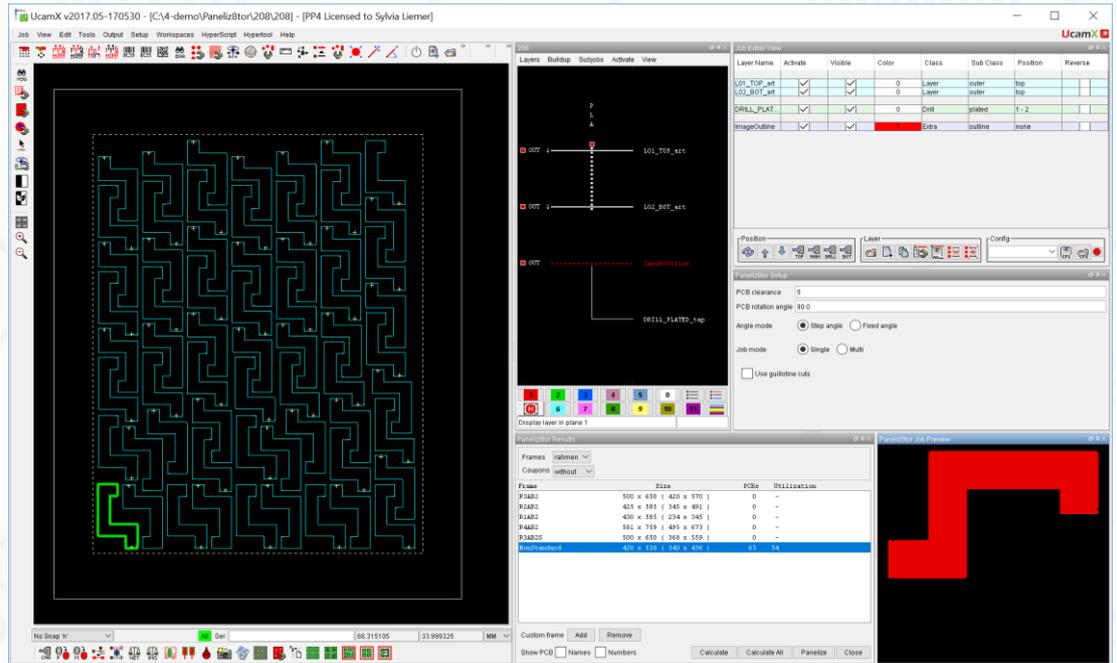


SOFTWARE

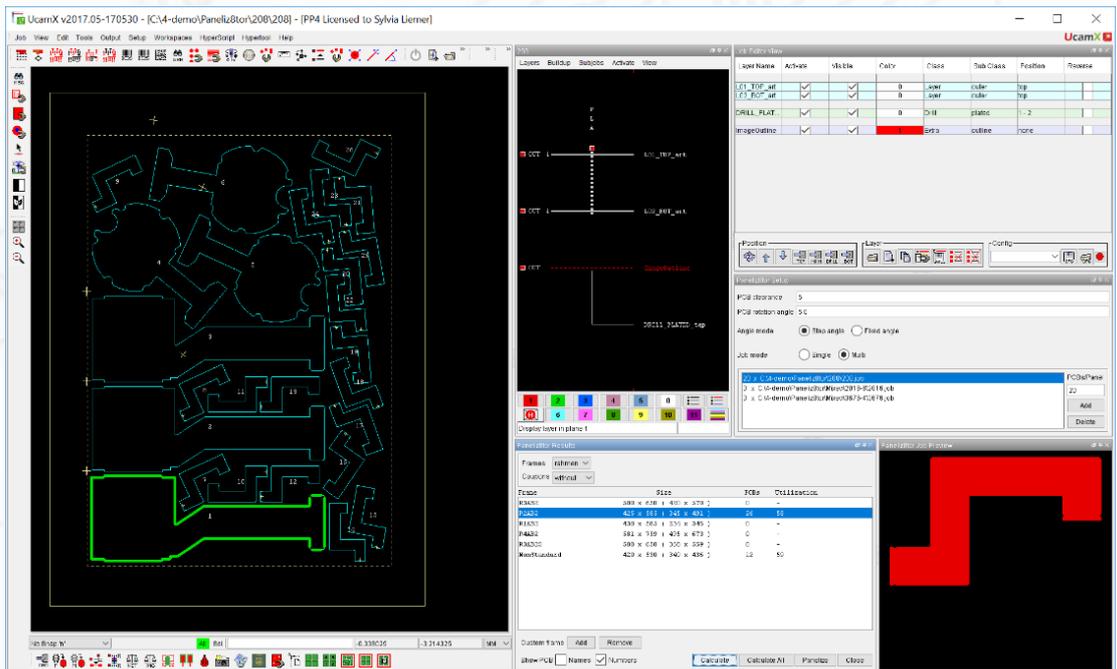
- AutoCAM
- FaultStation 4
- FixGenius
- FlashRip
- Format Converters
- Geometric Correction System
- Integr8tor
- Multi Job Panelizer
- Paneliz8tor ✓
- OEM Software
- SmartAOI
- SmartPlate
- SmartTest
- Ucam CAD Review
- Ucam CAM++
- Ucam Chemical Milling
- Ucam ET+
- Ucam SmartView
- Ucam uFlex
- UcamX

For more information on any of
our products or services please
contact us:

Nested Circuit Arrays



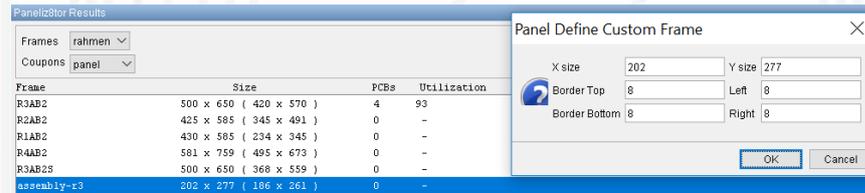
Optimal Yield Nesting



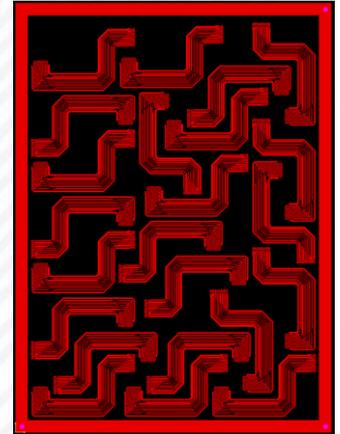
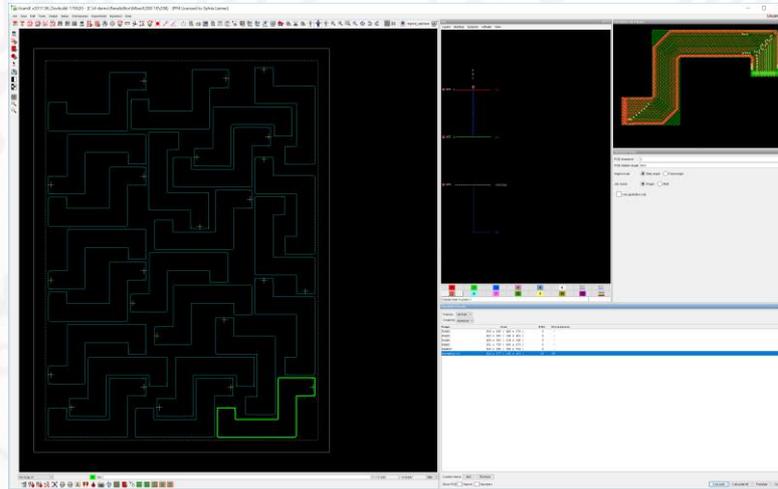
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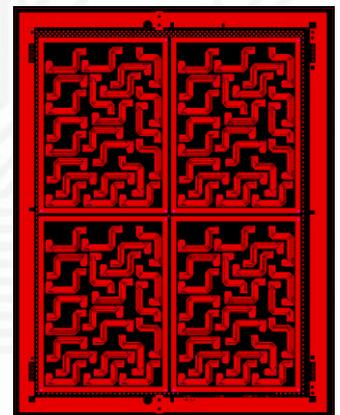
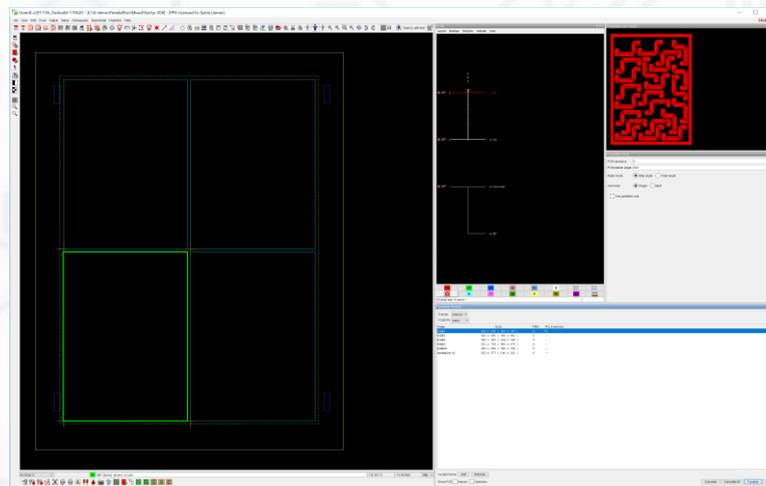
Creation of standard assembly frames or definition of customer frames with “Panel Define Custom Frame”



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



Gerber Format

Convey your design intent from CAD to CAM

Support for:

- CAD netlist
- Nested Step & Repeat
- Fabrication documentation



Scan this QR code to find:

- Gerber format info
- Gerber Reference Viewer
- Gerber format Specification

Ucamco protects your Investments

Ucamco has a longstanding tradition of protecting its customer's investments. **PANELIZ8TOR** 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.

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