

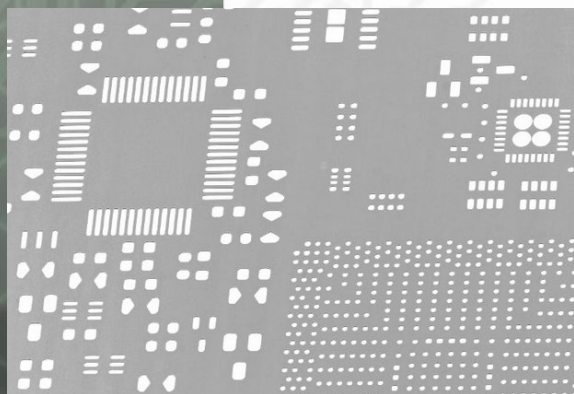
SOFTWARE

LASER PHOTO PLOTTERS

DIRECT IMAGERS

Stencil Toolbox

Prepare your stencil data in an efficient way



- Streamlined workflow saving you time and money
- Support for stencil specific shapes
- Independent from incoming data quality
- Exquisite recognition of pad shapes
- Instant overview on critical apertures
- Nano coating support
- Production drawing

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

64 Bit

Multi Core

Streamlined workflow saving you time and money

From reading your data and transformation of the openings to sorting for your laser cutting machine, all elements are included in this comprehensive Stencil Toolbox.

Support for stencil specific shapes

New pad types specifically useful for stencils are supported. Home plates, D-Shapes, Oblongs and even Crosses are supported.

Data quality independent

Even if input data are in bad shape. If this situation is detected, a sophisticated algorithm will analyze all openings in your stencil and see if the data can be improved. It will reconstruct the pads if needed. All within the specified tolerance.

Exquisite recognition of pad shapes

For the new pad types and in combination with the reconstruction of the pads, the recognition of standard types has improved immensely.

Instant overview on critical apertures

The stencil analysis module will show all critical apertures that need special attention. Aspect and Area ratios are both considered. Easy selection for further aperture change is possible.

Nano Coating support

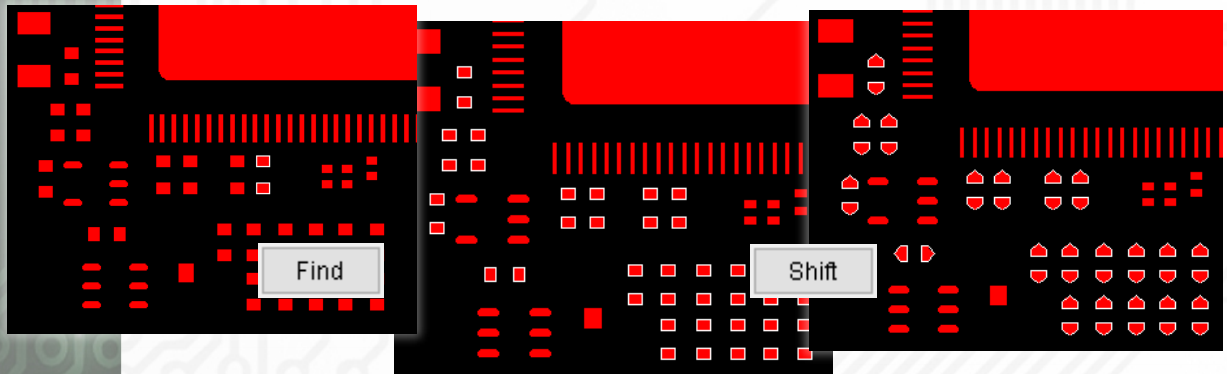
Nano Coating adds non-sticking qualities to your stencil. Therefore higher Aspect- and Area ratios can be used. With one click Stencil Analysis will switch to Nano Coating mode.

Ucamco protects your investments

Ucamco has a longstanding tradition of protecting its customer's investments. **Stencil Toolbox** is no exception: it seamlessly works with your existing **UCAMX** installation and re-uses all of the available software set-ups or precious automation that you have diligently gathered and carefully maintained over the years.

Search&Replace for home-plates

Easily identify pad combinations to transform them into home-plates.



Identify critical pads

Highlight your critical pads with a single click.

Stencil Analysis - Stencil-top

Aperture Stencil Toolbox

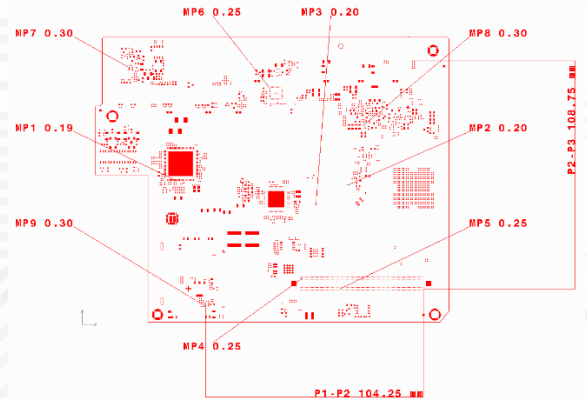
Thickness: Nano Coating

Nr	Name	Definition	FT	Max. FT	Area	APV	FLV	H-Div	V-Div	F/R
31		BOX,0.25,0.4,R=0.125:0.125	130	121	0.086585	1.923075	0.61365	<input type="checkbox"/>	<input type="checkbox"/>	10
32		BOX,0.4,0.25,R=0.125:0.125	130	121	0.086585	1.923075	0.61365	<input type="checkbox"/>	<input type="checkbox"/>	6
49		BOX,0.19,1.025,R=0.095:0.095	130	125	0.187005	1.46154	0.63456	<input type="checkbox"/>	<input type="checkbox"/>	64
50		BOX,1.025,0.19,R=0.095:0.095	130	125	0.187005	1.46154	0.63456	<input type="checkbox"/>	<input type="checkbox"/>	64
0		COM,1.201425,0.198205	130	132	0.230945	1.524655	0.672075	<input type="checkbox"/>	<input type="checkbox"/>	7
36		BOX,0.27,0.45,R=0.135:0.135	130	133	0.105855	2.076925	0.67394	<input type="checkbox"/>	<input type="checkbox"/>	12

Calculate Close

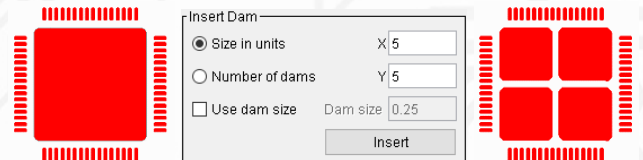
Out of the box production drawing

Create a production drawing with measurements pinpointing the smallest openings on the PCB.



Split large openings

Large openings need to be split. Paste amounts and stability are the keywords here. Now you have an easy-to-use toolbox to do so!



Gerber Format

Convey your design intent from CAD to CAM
The Gerber format now offers support for CAD netlist, Nested Step & Repeat and Fabrication documentation

Scan this QR code to find:

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



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