



CutTM

The original laser cut stencil and still the best

alpha[®]

ALPHA[®] CUTTM Laser Cut Stainless Steel Stencils

The highly repeatable, accurate printing performance you require from the company that pioneered stainless steel, laser stencil manufacturing technology and now has a global network of laser cutting operations for rapid turn around.

- Best-in-class positional accuracy proven in process capability studies
- Best-in-class aperture tolerance
- Maximized paste transfer efficiency for optimum paste deposit repeatability and minimal under stencil wiping.
- Framed or frameless foils to suit all printers and formats
- Stepped area(s) for optimized paste volume deposition
- Ultra fine pitch capability
- Range of stainless steel thicknesses 3, 4, 5, 6, 7, 8 and 10 mil (80, 100, 120, 130, 150, 180, 200 and 250 μ m)



ALPHA[®] CUTTM Laser Cut Stainless Steel Stencils
Meeting your needs through
Knowledge, Experience and Service



Cookson Electronics

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alpha[®] Cut[™]

ALPHA[®] CUT[™] stencil foils are manufactured from high quality stainless steel in a range of thicknesses from 3 to 10 mils (80 to 250 microns). The thickness of the stencil is critical in achieving optimized paste volume deposits.

Optimizing Paste Transfer Efficiency

We analyze the data you provide and automatically evaluate the likely paste transfer efficiency, for every aperture in your stencil.

We combine Alpha[®] design and modification rules, honed by customer feedback and experimental development, with your own specific design requirements and preferences, to produce stencils with outstanding "print capabilities".

Unrivalled Precision

Our laser machines offer best-in-class positional accuracy across the board, coupled with best-in-class aperture tolerance and have ultra-fine pitch capabilities to deal effectively with the smallest of apertures. The laser process is optimized to ensure apertures are cut to give best paste deposition.



For highly repeatable, accurate printing performance, look no further than ALPHA[®] CUT[™] laser cut stainless steel stencils...

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Stepped Options

In order to further enhance the printability of some stencil designs, we may recommend stepped areas within the stencil. It would be natural to assume that the thicker the stencil... the greater the volume of paste that would be deposited but that is not always the case. In certain instances and with very small apertures it is possible to increase the paste deposit volume by actually reducing the thickness of the stencil around those apertures. Here, our knowledge and experience help maximize paste transfer efficiency and optimize the printability of your design.

Fast Response

Order your stencil today and we'll do everything possible to deliver it to you tomorrow if that is what you need. Our manufacturing centres are strategically located to provide the highest levels of service and support.

For more information visit:
www.alpha.cooksonelectronics.com



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