



Nickel-Cut™

Combining the speed and availability of laser cutting with the durability of electroformed nickel

alpha®

ALPHA® NICKEL-CUT™ Laser Cut Nickel Stencils

State-of-the-art ALPHA® NICKEL-CUT™ stencils are hybrids, combining the durability of electroformed nickel stencils with the fast availability of laser cut stencils, for electronics assemblers requiring a long life product with outstanding print performance... in a hurry!

- Long stencil life, up to twice that of stainless steel stencils
- Material formula optimized for laser cutting
- Rapid turnaround to meet the tightest delivery requirements
- Framed or frameless foils to suit all printers and formats
- Patented material formula for optimum hardness... less stress,
- High accuracy and repeatability from state of the art laser machines
- Enhanced, ultra fine pitch capability
- Custom thickness capability, in 0.5 mil (12.5 µm) increments, to optimize transfer efficiency
- Stepped area(s) for optimized paste volume deposition



ALPHA® NICKEL-CUT™ Laser Cut Nickel Stencils
Meeting your needs through Knowledge,
Experience and Service



Cookson Electronics

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Nickel-Cut™

ALPHA® NICKEL-CUT™ stencils reflect Cookson's deep knowledge and experience in the "Science of Printing".

Greater Choice of Foil Thickness

In critical apertures, stencil thickness is the most important variable impacting paste transfer efficiency. With ALPHA® NICKEL-CUT™ stencils, we have the ability to tailor stencil thickness in 0.5 mil (12.5 µm) increments... a feature not available in stainless steel. This provides much greater latitude in controlling paste deposition than is available with traditional stainless steel stencils.

Low Stress for Superior Flatness

Unlike rolled stainless steel, the Electroforming process produces hard nickel blanks that have very low internal stress. Because of this, the ALPHA® NICKEL-CUT™ stencils have superior flatness and maintain that level of flatness even in areas of high aperture density.



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Unique Material Properties

Cookson has developed a grade of nickel specifically for this application, a grade that can withstand the extreme heat of the laser-cutting process, prevent micro-cracking and ensure optimum aperture characteristics.

High Accuracy, Long Life

ALPHA® NICKEL-CUT™ stencils enjoy the same high positional accuracy and tight aperture tolerances as ALPHA® CUT™ laser cut stencils but with greater durability for a longer life. Typically, a nickel stencil can have up to twice the life of a stainless steel stencil, making them ideal for high volume applications.

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



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