

The Evolution of "Frameless" Stencil Technology

TetraBond™



Cookson Electronics

alpha®

ALPHA® TETRABOND™

- Accurate
- Safe
- Rigid
- Easy to use
- Durable
- Space efficient
- Simple elegant design

For more information visit:

www.alpha.cooksonelectronics.com

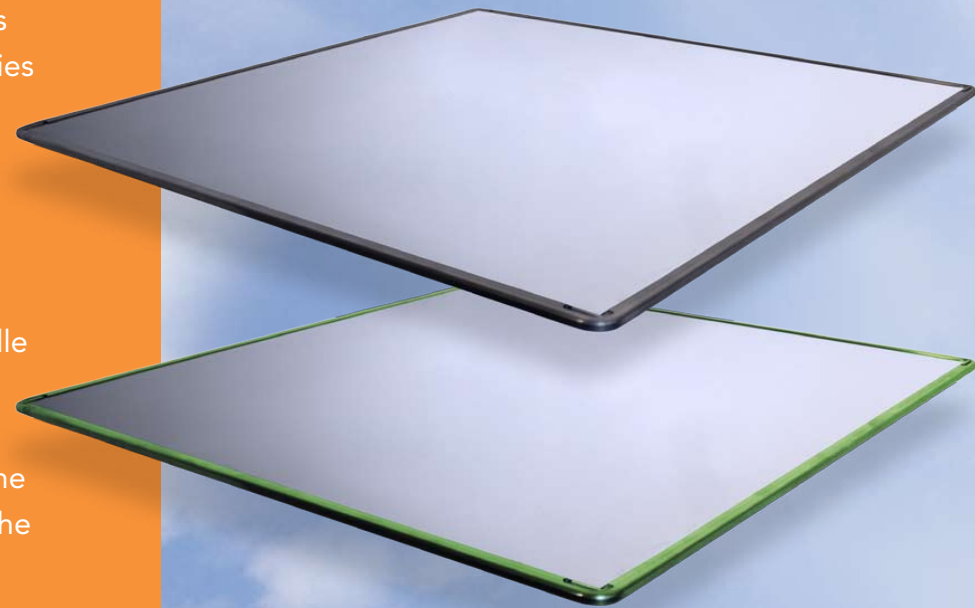
alpha® TetraBond™

Taking “frameless” stencil foil technology to a new level

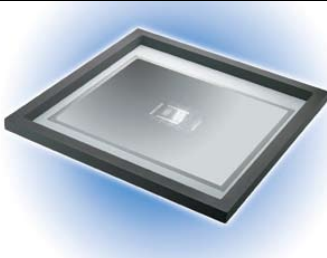


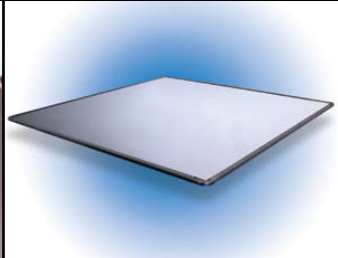
ALPHA® TETRABOND™ is the culmination of “frameless” stencil development; an elegantly simple system designed to enhance the rigidity of the foil, making safe mounting and demounting an easier proposition.

Innovatively encompassed in a thin, one piece aluminum extrusion, TETRABOND™ stencil foils are designed for use with Tetra and Tetra VG foil tensioning frames and are backward compatible with the majority of frames currently in the market. They are available with all Alpha® stencil technologies (ALPHA® CUT™, ALPHA® FORM™ and ALPHA® NICKEL-CUT™) to suit the majority of printer size requirements.

- **Accurate...** Image ‘float’, associated with mesh mounted stencils, is eliminated
- **Safe...** No sharp edges make TETRABOND™ foils safer to use and handle
- **Excellent rigidity...** Best-in-class.
- **Easy to use...** Mounting and demounting are achieved simply without the need for a loading jig. Foils can be readily cleaned when released from the frame, without the need for a washing jig.
- **Durable...** Rigid frame reduces potential for stencil handling damage
- **Space efficient...** Up to five TETRABOND™ foils can be stored in the same space as a conventional framed stencil, each in its own protective cassette.
- **Simple elegant design...** The “Back to Basics” design approach utilizing only three components (stencil foil, one part alloy sub-frame and advanced bonding system) provides enhanced performance while minimizing “opportunity for error”.



The Evolution of "Frameless" Stencils

Frame	Traditional Frame	Vector Micromount System™/Quick Frame etc.	Alpha® Tetra/VectorMount	VectorGuard®/Alpha®Tetra VG	Alpha® TetraBond™
Description	Foil-to-mesh-to-frame bond	2-way tension, mechanical frame system	4-way tension, pneumatic frame system	4-way tension, pneumatic frame system with "Foil Guard" aluminium sub-frame	4-way tensioned foil with Direct Bond to rigid aluminium subframe
					
Key Characteristics	Pattern float	Non-uniform tension	Accurate	Accurate	Accurate
	Safe	Potential H&S concern	Potential H&S concerns	Safe	Safe
	Rigid	Loose foil	Loose foil	Semi-rigid	Rigid
	Easy to use	Handling issues	Handling issues	Easy to use	Ease of use
	Semi-durable	Fragile	Fragile	Semi-durable	Durable - no corner blocks to fall off, no mesh to tear
	Space consuming	Space efficient	Space efficient	Space efficient	Space efficient
	Foil-to-mesh-to-frame bond	Need for etched foil pattern	Need for etched foil pattern	Requires pressed/formed attachment features	Simple elegant design
	No need for washing jig	Need for loading jig and washing jig	Need for loading jig and washing jig	No need for loading jig or washing jig	No need for loading jig or washing jig

A world map with a blue and white color scheme. Several semi-transparent blue circles are overlaid on the map, each containing a small black dot representing a location. The circles are positioned in North America, South America, Europe, and Asia. The word "Stencils" is written vertically in orange on the left side of the map.

Stencils



alpha[®]

ALPHA[®] TETRABOND[™] is available through the Cookson Global Stencil Network.

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