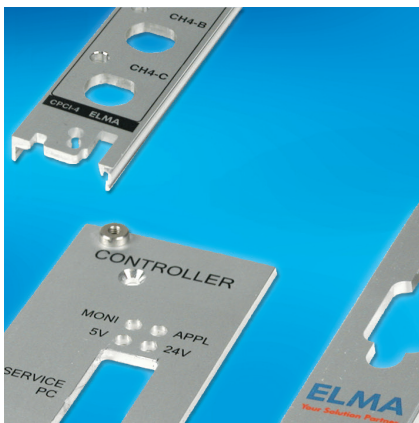


Silk Screen Printing

Silk screening is a print making technique that creates a sharp-edged single-colour image using a stencil and a porous fabric.



Printing Technique:

A screen is made of a piece of porous, finely woven fabric (originally silk, but typically made of polyester or nylon) stretched over a wooden or aluminium frame. Areas of the screen are blocked off with a non-permeable material - a stencil - which is a negative of the image to be printed; that is, the open spaces are where the ink will appear.

The screen is placed on top of the front panel. Ink is placed on top of the screen, and a squeegee (rubber blade) is used to spread the ink evenly across the screen. The ink passes through the open spaces in the screen onto the front panel below; then the screen is lifted away. The screen can be re-used after cleaning. If more than one colour is being printed on the same surface, the ink is allowed to dry and then the process is repeated with another screen and different colour of ink.

Silk Screen Printing is Used on Front Panels e.g. to:

- Label front panel mounted components
- Name the product
- Put your company logo on the product
- Give some safety instructions
- Separate your product from others

Use Elma's front panel service not only for silk screen printing, but also for machining, painting and assembling.