

The background features a collage of various SMT (Surface Mount Technology) screens and stencils. These are shown in different orientations and colors, including shades of blue, black, and grey. The patterns on the screens and stencils are intricate, showing various geometric shapes and lines, typical of PCB manufacturing. The overall aesthetic is technical and industrial.

**SMT SCREENS
AND STENCILS**

*obtained by
Photochemical
etching*

SMT screens and stencils obtained by photochemical etching

Since many years we have optimised a technique for manufacturing SMT stencils by photochemical etching. This technique is founded on the accurate elaboration of gerber files and allows the compensation of shape defects and critical aspects typical of the chemical process, reducing them to the least.

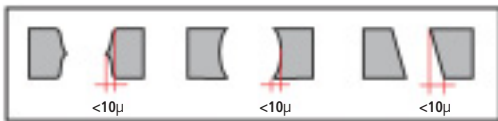
This technology is suitable for SMT printing applications for the components with pitch until 0,625 mm.

Caratteristiche geometriche delle finestre

Tolleranza dimensionale delle finestre <math>< +/- 20\mu</math>



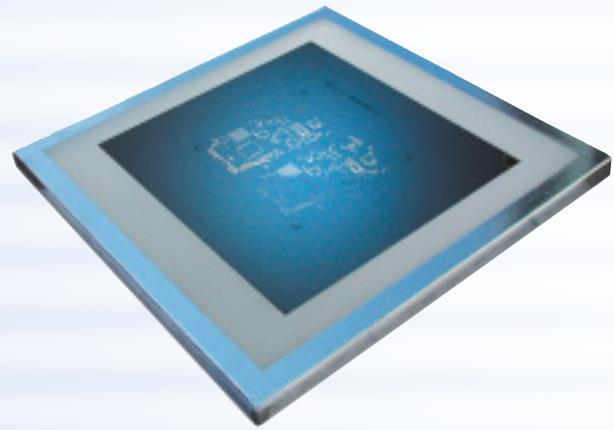
Geometria delle finestre



Profilo delle pareti interne

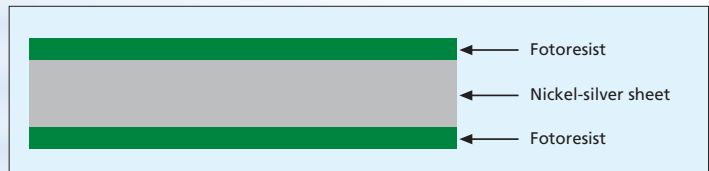
Advantages

- Cost-effectiveness
- Fair quality for most SMT applications
- Opportunity to produce half-etchings

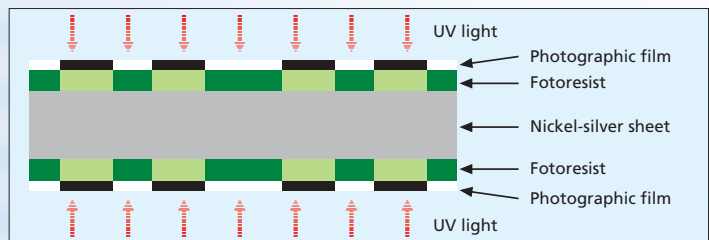


The process

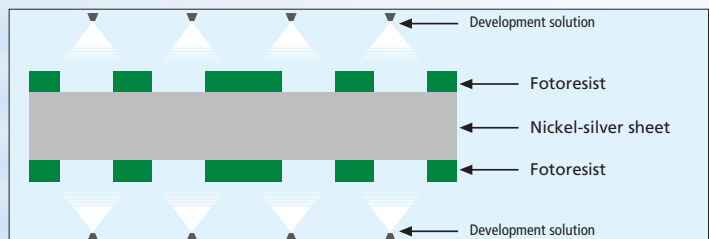
1 - Coating



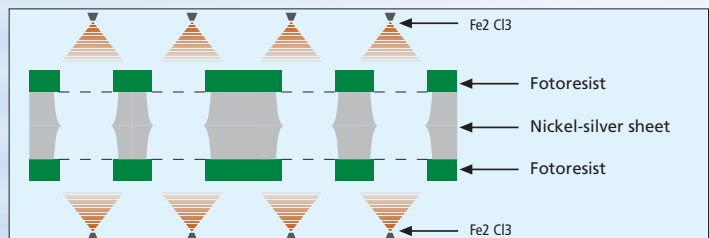
2 - Exposure



3 - Development



4 - Chemical etching



5 - After stripping

