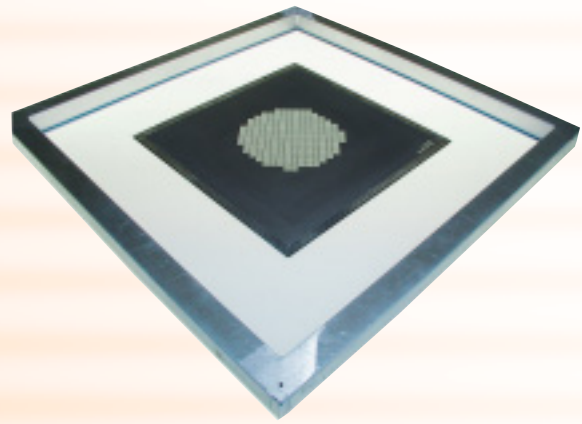




**SMT  
SCREENS  
AND STENCILS**

*obtained by  
Electroforming*

# SMT screens and stencils obtained by electroforming

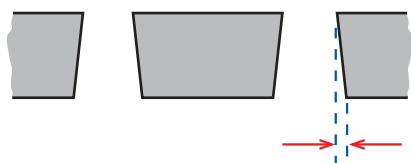


The electroforming technology allows to produce nickel sheets through an extremely accurate process of galvanic deposition. The high quality of the product is the result of nickel growth around three-dimensional geometries (matrix) obtained by a photographic process. This technology is suitable for SMT printing applications for fine pitch SMD components, BGA and micro BGA components and also for wafer bumping applications.



## Caratteristiche geometriche delle finestre

Tolleranza dimensionale delle finestre  $< \pm 10\mu$   
 Inclinazione della parete interna  $< 25\mu$

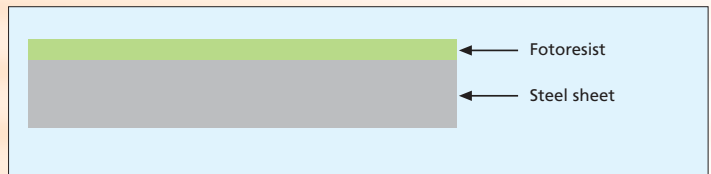


## Advantages

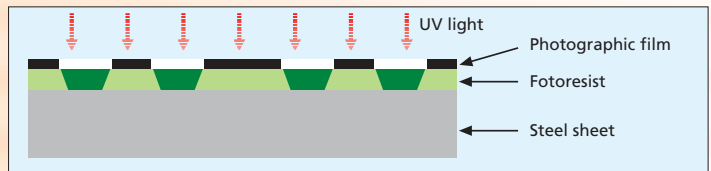
- High dimensional precision
- Trapped walls
- Low tensile stretch
- Very smooth surface
- Different thickness available
- Good print quality

## The process

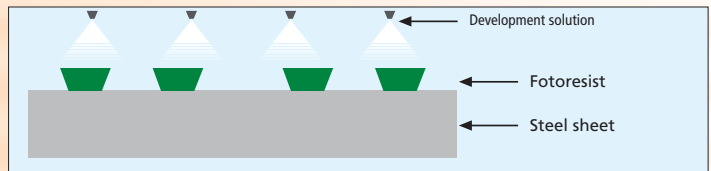
### 1 - Coating



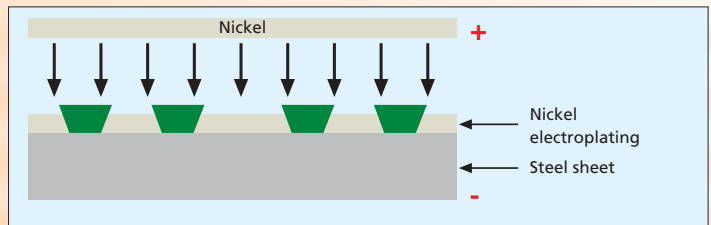
### 2 - Exposure



### 3 - Development



### 4 - Electroplating



### 5 - Detachment

