

SMT STENCILS BY THE PCB EXPERTS



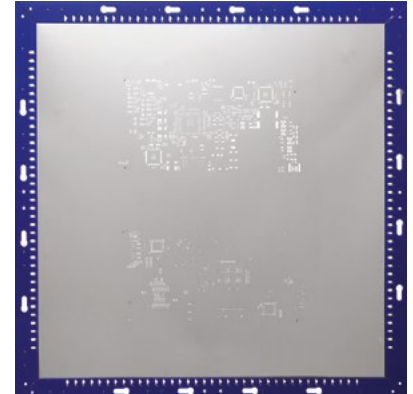
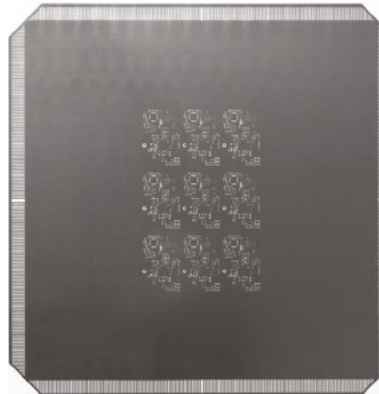
ADVANTAGES OF LASER CUTTING:

- Clean contours with smooth, burr-free edges
- Compared to etching technology, our laser cut stencils deliver superior geometry and precision while production is environmentally friendly
- Precision, productivity and above all reliability
- 100% scan check inspection for all cutting apertures



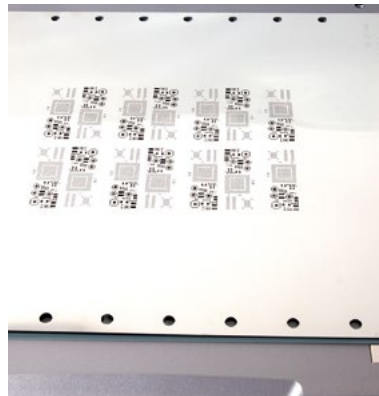
MATERIAL

- **Stainless steel grade 304 Full hard**
Tensile: 1329 N/mm²
Elongation: 5.0%
Hardness: 408 HV
- **Fine grain (substitute for Nickel alloy)**
Tensile: ≥ 1000 N/mm²
Elongation: 5.0%
Hardness: ≥ 370 HV



APPLICATIONS:

- **OptiGuard stencils**
Dimensions:
 - 23" x 23"
 - 23" x 29"
 - 29" x 29"Thicknesses (µm):
80, 100, 120, 130, 150, 180, 200, 250
- **Stencils glued in aluminium frame**
Dimensions:
 - 22" x 22" (555 x 555 mm)
 - 23" x 23" (584 x 584 mm)
 - 29" x 29" (736 x 736 mm)
 - 400 x 500 mm
 - 550 x 650 mm
 - 584 x 1200 mmThicknesses (µm):
80, 100, 120, 130, 150, 200
- **Stencils for self-tensioning frames**
All types and dimensions
Thicknesses (µm):
80, 100, 120, 130, 140, 150, 180, 200, 250, 300
- **Prototype stencils**
Max dimensions 200 x 300 mm
- **Via fill stencils**



TECHNICAL DATA

Cutting range (X/Y)	600 x 800 mm (23.6" x 31.5")
Maximum frame size (X/Y)	740 x 950 mm (29.1" x 37.4")
Maximum loose sheet size (X/Y)	650 x 850 mm (25.6" x 33.5")
Material thickness	Up to 600µm (23.6 mil)
Laser repetition rate	Up to 45 kHz
Axial precision	± 2µm

END TREATMENT

- Classic mechanical polish
- Electro-chemical polish
- Nano-Pro Tek coating

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