



SMD stencils



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 environmental friendly
- Precision, productivity and above all reliability
- 100% scan check inspection for all cutting operations

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:

- **VectorGuard™ stencils**
Dimensions:
 - 23" x 23"
 - 23" x 29"
 - 29" x 29"Thicknesses (μm):
80, 100, 110, 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 500 mmThicknesses (μm):
80, 100, 110, 130, 150, 200

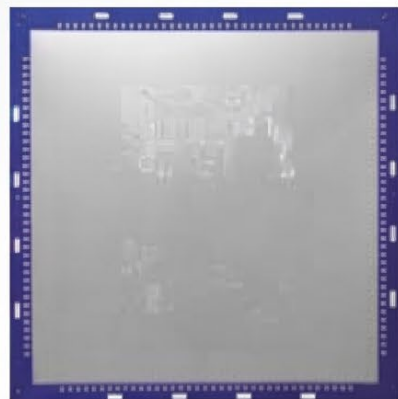
NEW

**Big alu frame stencils
up to a size: 736 x 1800 mm**

- **Stencils for self-tensioning frames**
All types and dimensions
Thicknesses (μm):
80, 90, 100, 110, 120, 130, 140, 150, 180, 200, 250, 300
- **Prototype stencils**
Max dimensions 200 x 300 mm
- **Via fill stencils**

End Treatment:

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



Technical Data:

Cutting range (X/Y)

600 x 800 mm (23.6" x 31.5")

Maximum frame size (X/Y)

740x1800 mm (29,1" x 70,87")

Maximum loose sheet size (X/Y)

650 x 850 mm (22.6" x 33.5")

Material thickness

Up to 600μm (32.6 mil)

Laser repetition rate

Up to 45 kHz

Axial precision

± 2μm



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