

SMD stencils



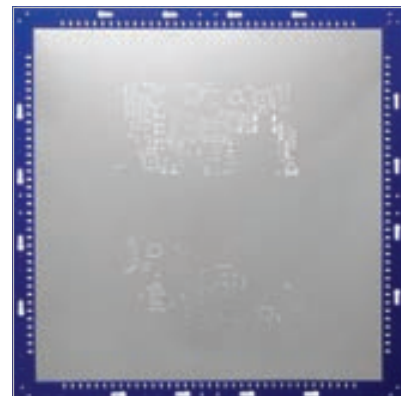
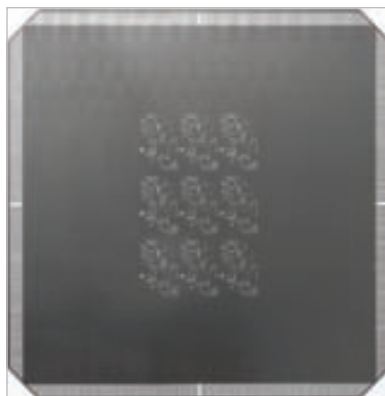
Advantages of Laser Cutting:

- 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 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:

- **VectorGuard™ stencils**
Dimensions:
 - 23" x 23"
 - 23" 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)Thicknesses (μm):
120, 150
- **Stencils for self- tensioning frames**
All types and dimensions
Thicknesses (μm):
80, 100, 120, 130, 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	$\pm 2\mu\text{m}$

End Treatment:

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

Lingva d.o.o. Podskrajnik 35, 1380 Cerknica, Slovenia

www.lingva.si

T: +386 (1) 70 94 663

M: +386 (0) 31 621 265

E: info@lingva.si, gregor@lingva.si