

MICRO LASER

Cutting Technology

2025

Boasting innovation, flexibility and high integration capability, SURON's advanced laser technologies include a high-speed laser, a water jet-based laser and a Pico second pulse laser.



SURON
Precision Solutions

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Feature	Standard Value
Metal thickness range (T)	0.012-1.0 mm (0.0005"-.040") for ferrous alloys 0.012-2.0 mm (0.0005" - .080") for silicon 0.012-0.60 mm (0.0005"-.024") for copper alloys and aluminum
Part maximum size	585X780 mm (23"x30.7")
Minimum hole/slit size	Ø 0.030 mm for T<0.25mm Ø 0.060 for 0.25 mm<T<0.50 mm Ø 0.120 for 0.50 mm<T<1.0 mm 0.150 mm for T=1.0
Minimum line width between two openings	0.020 mm (.0008")
Minimum inner corner radius	R0.015 mm (.006")
Minimum outer corner radius	40%T
Minimum dimensions tolerance	±0.005 mm (.0002")

- Economic viability and fast delivery time for limited quantity
- Accuracy unaffected by thickness
- Thickness and graphical complexity affects cost
- Straight cut edges
- Small heat affected zone