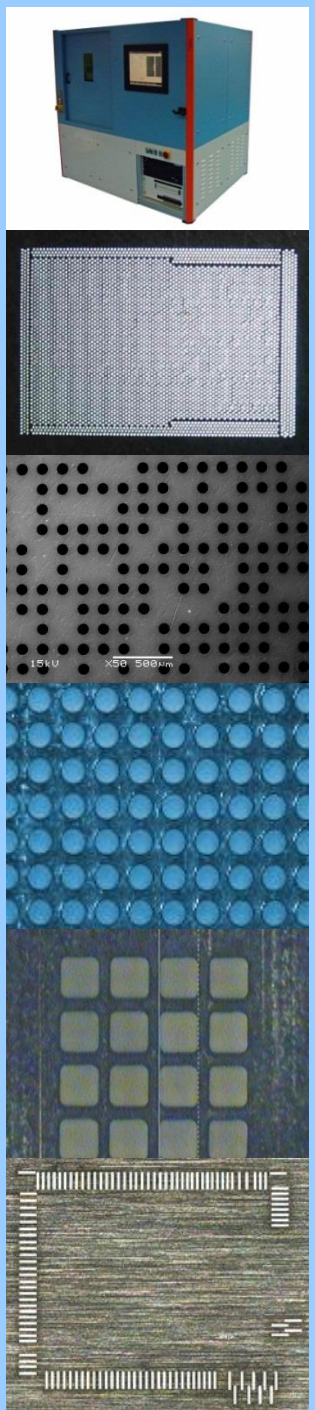
Probe Card Laser*Drill*

Improve performance, increase yield, reduce manufacturing costs

Designed for the production of vertical probe card, guide plates, this tool is configured to laser drill arrays of precision micro holes down to of a few microns diameter. The tool is capable of drilling both round and non-round holes in all commonly used materials and can achieve 50:1 or better aspect ratio, with exceptional hole placement accuracy and repeatability.



Laser Drilling

Fully-integrated machine packed with features for reliable manufacturing:

- Precision laser drilling, milling and cutting
- Burr, recast and damage free
- Control of taper
- Ceramics, polymers, silicon, metals and more
- Very high hole count compatible - 20,000 plus holes per part
- Non-contact, so no tool wear or breakages

Specifications

Exact specifications may vary according to individual requirements and options selected:

Laser	Diode pumped solid state
XY Stages	300mm x 300mm +/-0.0005 resolution
Z Stage	50mm +/-0.001 resolution
Min diameter	0.005mm
Drill head	High speed optical trepanning
Diameter control	In software for maximum flexibility
Control	PC based, with CAD/CAM options
Electrical supply:	20A, 220V±10%, single phase
Extract:	HEPA filtered
Size (WxDxH):	2000 x1300 x 1800mm
Weight:	500kg (varies according to options)
Communications:	PC remote control via internet
Platform	Vibration isolated, stable construction
Enclosure	Class 1 interlocked Laser enclosure

Solutions for precision manufacturing - To learn more contact:

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