



UV Laser Drilling Machine

LU-4NP212

High-Productivity, High-Precision UV Laser Drilling Machine
for Semi-Additive Process PCBs

Realizing the highest level of high-precision
and micro drilling with high-quality



Via Mechanics, Ltd.

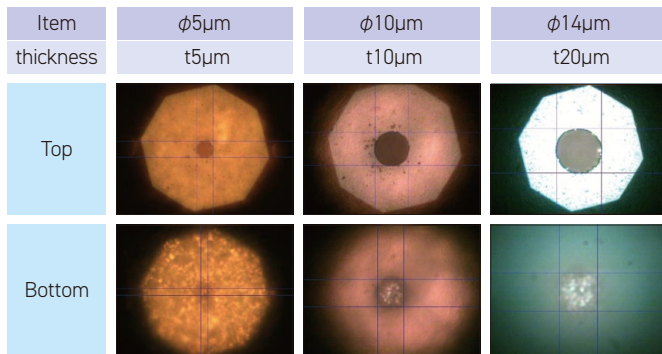
Providing the industry's highest level of high-precision hole position accuracy and micro hole drilling with high-quality

Supporting the needs of micro holes and high-taper holes

Capable to install a picosecond laser oscillator. Achieved micro hole drilling and high-taper by improving heat effect.

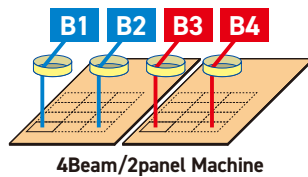
Supporting micro hole drilling

Realizes high-quality micro hole processing in resin direct with our unique laser pulse shaping and CNC technology.



Realizing high-productivity

Realizes high-productivity with our original XY table of 4-beam/2-panel optimum for volume production and galvano synchronous control enhancing the drilling speed.

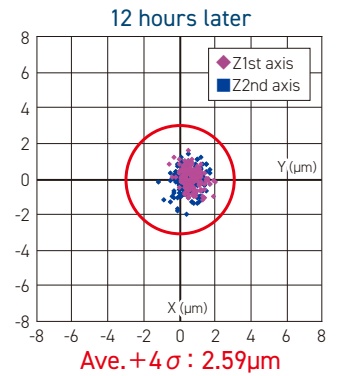
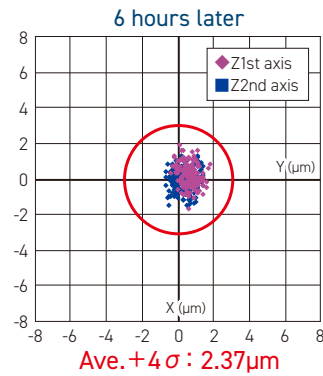
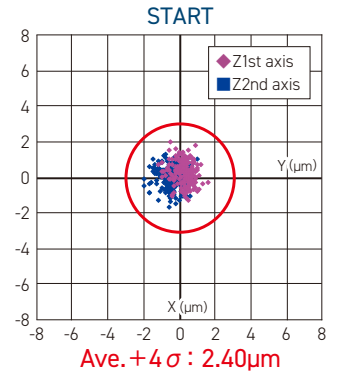


Achieving high-precision hole position accuracy with temperature control

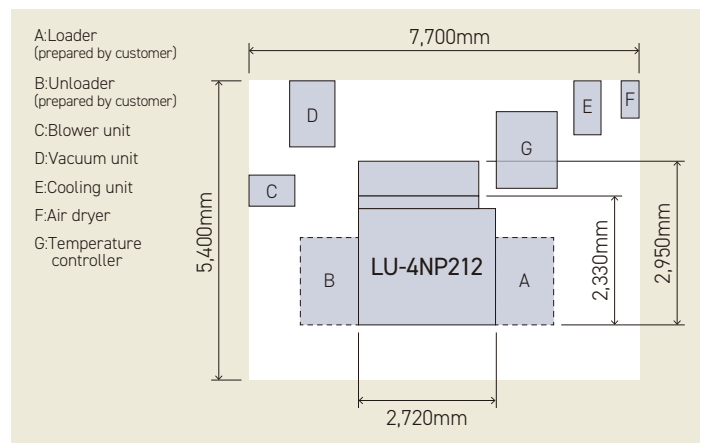
Adopts a high-definition temperature controller. Achieves stable precision for micro hole drilling by controlling the machine temperature within ±0.5°C.

Glass master alignment precision

Achieves Ave.+4σ ≤ 3μm



Floor Plan



*Please note that the contents of this catalog are subject to change without notice.

Primary specifications

Model	LU-4NP212
Max. drilling area	510×515mm
XY positioning speed	50m/min
Number of beams	4 (2-panels)
Laser power	ns laser : 39W (OP : ps laser : 21W)
Galvano scan area	□ 30mm (OS : □20mm)
Drilling accuracy	Ave. ±4σ ≤ 3μm (glass master)
CNC	MARK-55L+



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