

LU-4NP212

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

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



LU-4NP212 UV Laser Drilling Machine

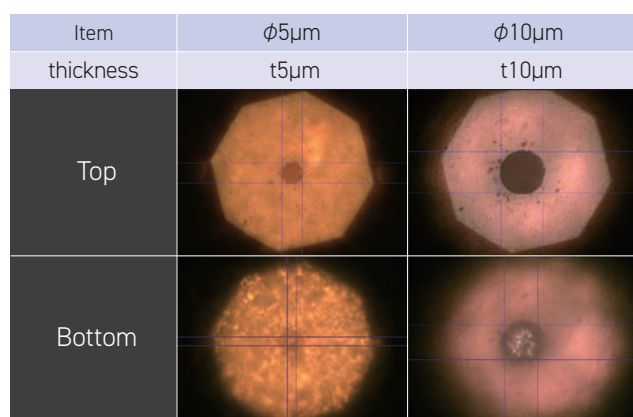
Providing the industry's highest level of high-precision hole position accuracy and micro hole drilling with high-quality

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.

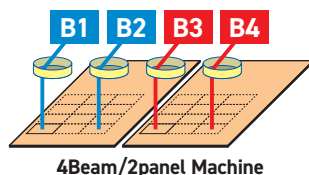
Supporting micro hole drilling

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.



Primary specifications

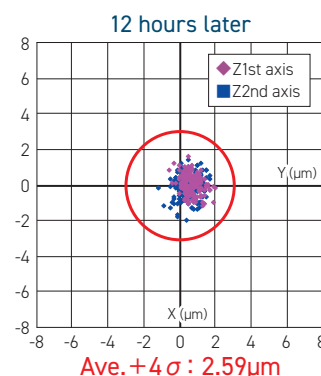
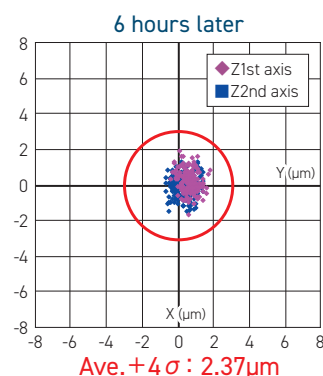
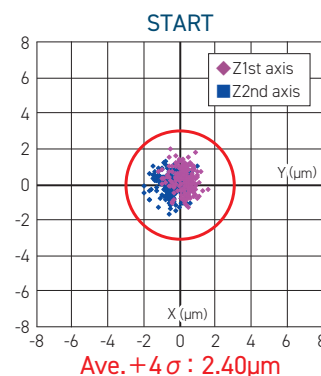
Model	LU-4NP212
Max. drilling area	510×515mm
XY positioning speed	50m/min
Number of beams	4 (2-panels)
Laser power	ns laser : 39W (OPTION : ps laser : 28W)
Galvano scan area	□ 30mm (OPTION : □ 10mm)
Drilling accuracy	Ave. $\pm 4\sigma \leq 3\mu\text{m}$ (glass master)
CNC	MARK-55L+

Achieving high-precision hole position accuracy with temperature control

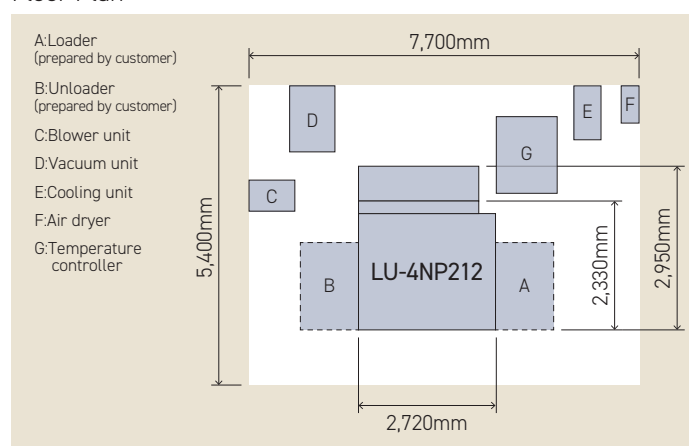
Adopts a high-definition temperature controller. Achieves stable precision for micro hole drilling by controlling the machine temperature within $\pm 0.5^\circ\text{C}$.

Glass master alignment precision

Achieves Ave. $+4\sigma \leq 3\mu\text{m}$



Floor Plan



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



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