

LC-4NL212

High-Productivity. High-Precision CO₂ Laser Drilling Machine

**High-productivity volume production machine -
realizing high-precision processing at the highest level**



Realizes world's most advanced level of high-precision hole positioning accuracy

High productivity

Has a 4-beam/2-panel configuration that is optimum for volume production.

Equipped with a high-speed galvano system designed by Via Mechanics and a high-power laser unit, and features proprietary synchronized control of the XY table and galvano system for improved drilling speed.

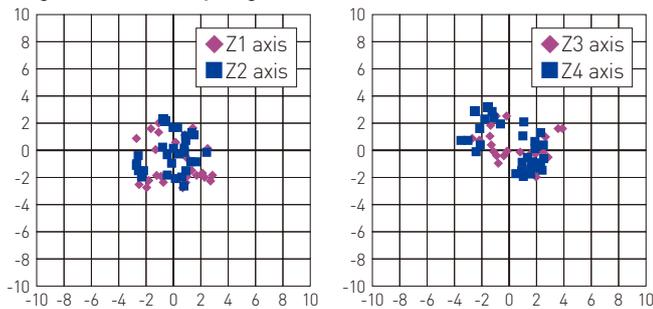
Area productivity

Realizes a 20% reduction in floor area over preexisting models (LC-4NV) and saved space inside user plants while still maintaining the productivity of those models.

High-Precision

ZERO machine yawning with the use of a special drive system. Alignment accuracy of glass master: Ave.+4σ≤6μm

Alignment accuracy of glass master



	S1			S2		
	dX	dY	dR	dX	dY	dR
Average	0	-0.7	2.1	0.6	0.1	2.2
Sigma	1.6	1.5	0.8	1.9	1.4	0.8
Ave.+4sigma			5.4			5.4

(μm)

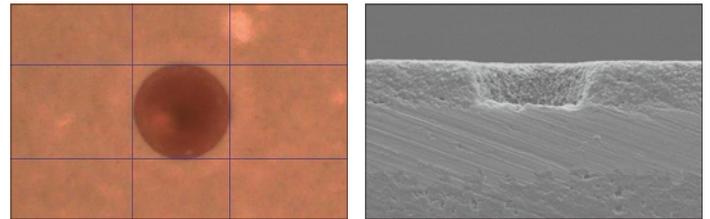
Primary specifications

Model	LC-4NL212
Max. drilling area	W560 x D635 mm
XY positioning speed	50 m/min
Number of beams	4 (2-panels)
Laser power	640 W
Galvano scan area	□ 30 mm
CNC	MARK-55L+

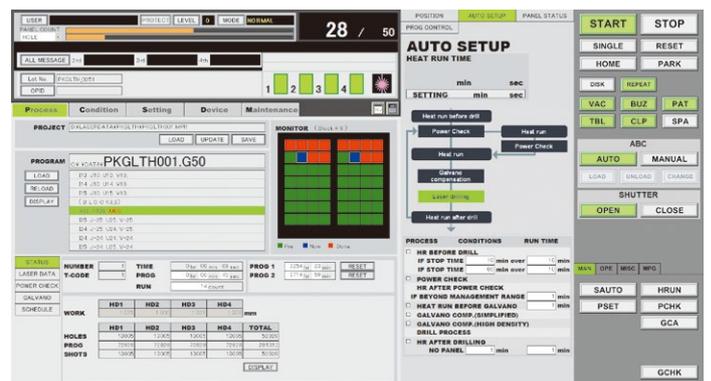
Optimized for FC-BGA small-diameter blind holes (BH)

Realizes processing hole position accuracy to the highest level in the world by regarding strict hole position accuracy for high density patterns with its high-rigidity mechanical structure and various correction systems.

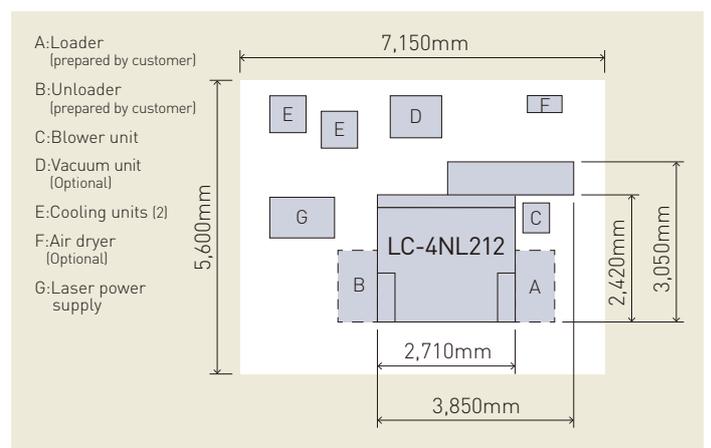
Resin direct drilling (φ30μm)



New CNC MARK-55L+



Floor Plan



Via Mechanics, Ltd.

Headquarters: 9-32 Tamura-cho, Atsugi-shi, Kanagawa Prefecture, 243-0016 Japan

Tel.+81-46-203-9688 Fax.+81-46-203-9689

http://www.viamechanics.com

