



C02 Laser Drilling Machine

# LC-4NT252E

High-Productivity, High-Precision C02 Laser Drilling Machine  
for Package PCBs core layer LTH

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



Via Mechanics, Ltd.

# LC-4NT252E

High-Productivity, High-Precision CO2 Laser Drilling Machine for Package PCBs core layer LTH

## Achieves high-precision hole position accuracy at the highest level in the world

### Optimum for laser through hole (LTH) to Package PCBs core layer

Achieves processing hole position accuracy to the highest level in the world. fulfilling the required strict hole position accuracy for high-density patterns. with high rigidity mechanical structure and various correction systems.

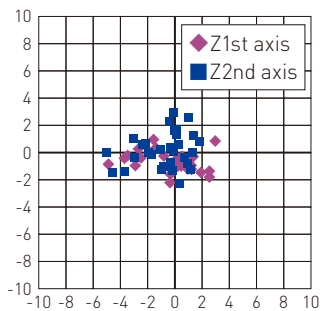
### High-Productivity

Support volume production by 4 beams/2panels. Equipped high-speed galvano scanner designed by Via Mechanics, and high power laser unit. Productivity has also been increased through synchronized control of the XY table and galvano.

### High-Precision

ZERO machine yawing using special drive system  
Precision alignment of glass master : Ave+4σ≤8μm  
Precision LTH alignment front and back : Ave+4σ≤15μm

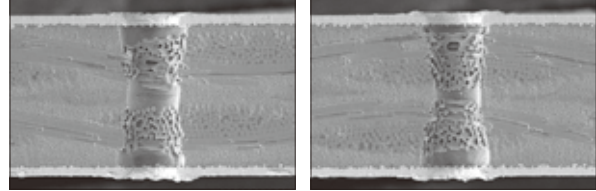
Precision alignment of glass master



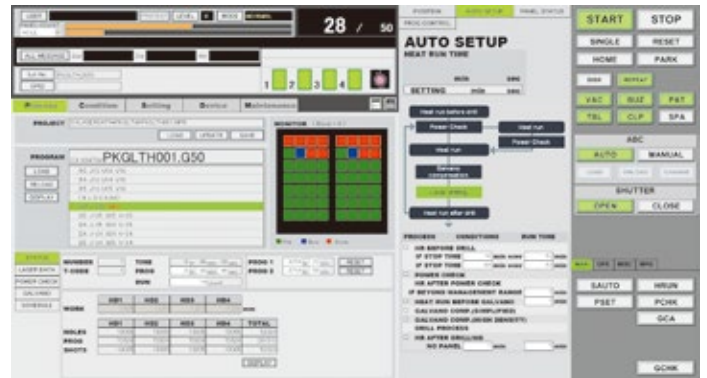
	dX	dY	dR
Max.	3.10	2.80	5.00
Min.	-5.00	-2.40	0.10
Average	-0.38	-0.32	1.97
Sigma	1.91	1.12	1.10
Ave.+4sigma	8.01	4.80	6.37

(um)

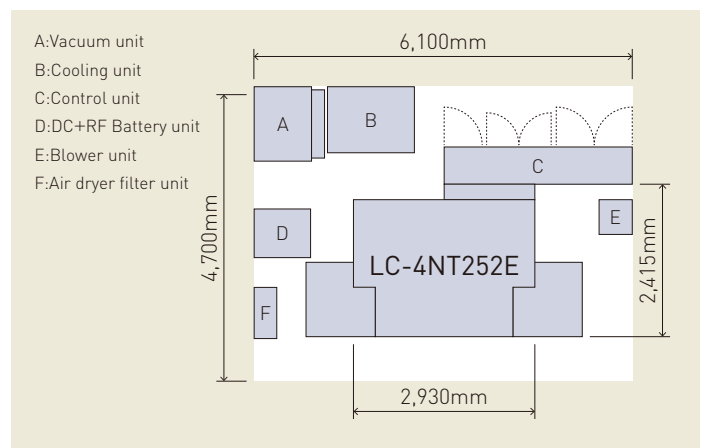
Cu direct processing (B.O.)



New CNC MARK-55L



Floor Plan



### LC-4NT252E/Primary specification

Max. Drilling area	620 x 620mm
XY Positioning speed	50m/min
Number of beam	4
Galvano Scan area	50 x 50mm



## Via Mechanics, Ltd.

Headquarters: 2100, Kami-Imaizumi, Ebina City, Kanagawa Prefecture, 243-0488 Japan  
Tel.+81-46-231-7111 Fax.+81-46-235-9356  
<http://www.viamechanics.com>

