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

LC-4NT252E
High-productivity volume production machine – realizing high-precision processing at the highest level

Via Mechanics, Ltd.
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/2 panels.
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≤8um
Precision LTH alignment front and back : Ave+.4σ≤15um

Floor Plan

- A: Vacuum unit
- B: Cooling unit
- C: Control unit
- D: DC+RF Battery unit
- E: Blower unit
- F: Air dryer filter unit

LC-4NT252E/Primary specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Max. Drilling area</td>
<td>620 x 620mm</td>
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<tr>
<td>XY Positioning speed</td>
<td>50m/min</td>
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<tr>
<td>Number of beam</td>
<td>4</td>
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<tr>
<td>Galvano Scan area</td>
<td>50 x 50mm</td>
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