



Drilling Machine

ND-6Y220E

HDI General-Purpose 6-Stations Drilling Machine for PCBs

The global-standard drilling machine
for the age of high precision & multi layer



Via Mechanics, Ltd.

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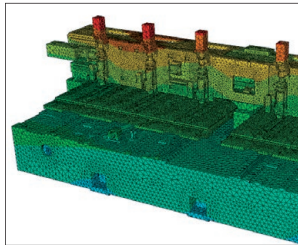
The world's best-selling high-performance PCB drilling machine

High quality and reliability born of Japan-quality advanced technology

The machine's core technology has all been developed in-house over the years. Equipped with Via Mechanics's original CNC system and wealth of applications, this drilling machine achieves the industry's top-level drilling performance, combined with high-speed precision spindles and advanced servo control technology.

A high-level combination of high-speed, high-precision and high-productivity

Comprehensive machine design based on our original servo control technology and precision structural analysis achieving outstanding drilling performance. The ND-6Y220E is a global-standard machine offering high-level satisfaction for the technological demands of drilling machines, and with the newly included HSA (High Speed Advanced) functionality, it has achieved production improvements of more than 105%.



In-depth analysis of chassis stress was fed back into development of more reliable design

Industry leader in energy savings

High-quality of the core machine parts and high-precision control technology have substantially improved production efficiency. 12KVA power consumption and 600L/min air consumption makes this machine the industry leader in energy savings.

Via Mechanics CNC: MARK-50D+



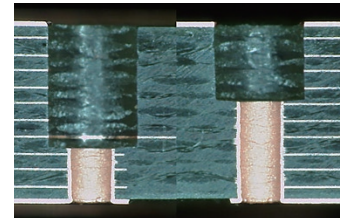
New CNC realizes user-friendly and intuitive operation

In-house manufactured spindles H916F and H920E included

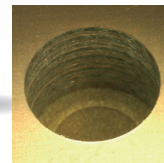
Offering outstanding processing performance together with stability and reliability



Wealth of applications



A wealth of applications such as back-drilling are available

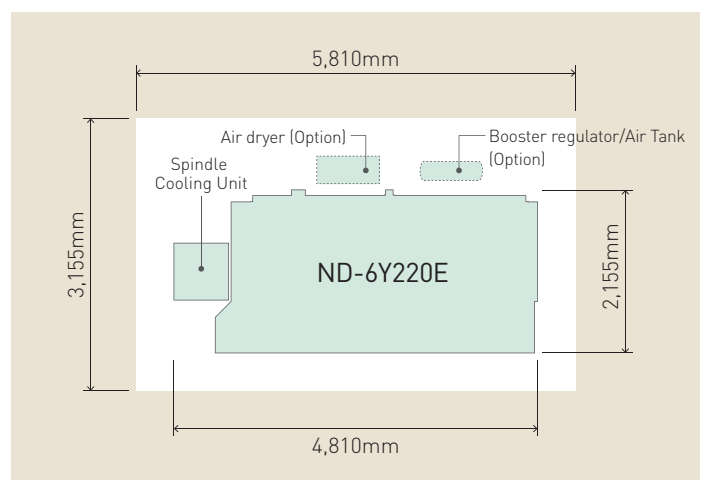


Enlarged view hole made using H916F spindle
Drill dia.: ϕ 6.35mm
Work: t1.6mm, 6layers x 3

ND-6Y220E/Primary specification

| | | |
|--|--------------------------------|-------------|
| Number of stations/ Spindle spacing | 6spindles/560mm (22.0inch) | |
| Max. Drilling area | 660 x 560mm (26.0 x 22.0 inch) | |
| Spindle | H916F | 15~160 krpm |
| | H920E | 20~200 krpm |
| Drill diameter | ϕ 0.1~6.35mm | |
| Number of ADC | 300kinds 300tools/axle | |
| XY axis feed rate | 60m/min | |
| Z axis feed rate | 0.101~12.7m/min | |
| X,Y Positioning accuracy | \pm 0.004mm | |
| Drilling accuracy | \pm 0.015mm | |
| CNC | MARK-50D+ | |

Floor Plan



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