

ND-6A2226

High-Speed High-Precision Drilling Machine

World-class instrument that plays a major role
in all kinds of PCB production sites



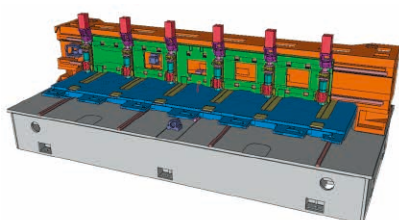
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High-Speed High-Precision Drilling Machine

Via Mechanics' best- and longest-selling product worldwide has gotten even better. Introducing a standard machine for the next generation, one that incorporates high levels of stability and reliability to accommodate needs in all kinds of sectors that include in-vehicle substrates, high-frequency substrates and back-drilling.

□Realizes dependable levels of ultra-high speed and high precision with a lean, high-rigidity construction

By revising the ND-6Y, its long-selling product worldwide, from the ground up starting with its basic design, Via Mechanics has successfully created an upgraded model that far surpasses its predecessor. With its sophisticated high-rigidity structure, integrated system that realizes centralized control and newly-developed interface, this new model makes high productivity, high operability and high efficiency possible.



□High-performance spindle developed in-house works to sustain high productivity



The ND-6A2226 is equipped standard with a high-performance spindle that was independently developed by Via Mechanics and has a maximum rotation speed of 200,000 rpm. Furthermore, the machine is also fitted with a "Spindle Protection Device" that protects it from control errors by operators. This device protects the spindle mechanism from the likes of erroneously-configured drill diameters and drilling conditions and non-standard substrate rigidity.

□High-Precision Blind Hole Function (optional)

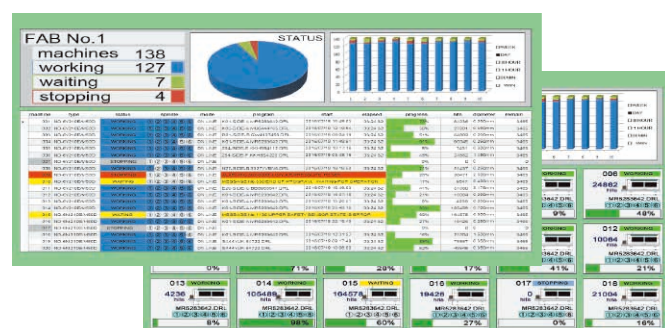
BHT2: Drill Touch Sensing System $\pm 15\mu\text{m}$

□Blind Hold Function for Back-Drilling (optional)

BHM: Top Work Surface Detection System Using Tip Bush
%BHM: Work Thickness-Matching System

□Equipped standard with online operation rate monitoring system

The ND-6A2226 accommodates an integrated control system for greater enhancements in productivity. Using an online operation rate monitoring system that provides data on operation rates in real time, the machine realizes the centralized control of operation status that covers older drilling machines as well, thereby contributing to productivity.



□Realizes unprecedented cost-performance levels in the industry

The ND-6A2226 successfully realizes savings in energy and running costs on a top-class level that considerably outstrips the competition. The machine achieves a balance of efficiency and productivity at high levels.

(Power supply capacity: Ave 8kVA; air consumption: Ave 700L/min)

ND-6A2226/Primary specifications

Max. Drilling area	670 x 560mm (26.4 x 22.0 inch)
Spindle	H916F 15,000~160,000min ⁻¹
	H920E 20,000~200,000min ⁻¹
Drill diameter	φ0.1~6.35mm
Number of ADC	300kinds 300tools/axle
Z axis feed rate	0.101~12.7m/min
X,Y Positioning accuracy	±0.004mm
Drilling accuracy	±0.015mm
CNC	MARK-55N
Size of main unit of machine	W4270 x D2155 x H2105mm



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