



Drilling Machine

# ND-6A2226

High-speed High-precision Drilling Machine

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

**NEW**  
PRODUCT



Via Mechanics, Ltd.

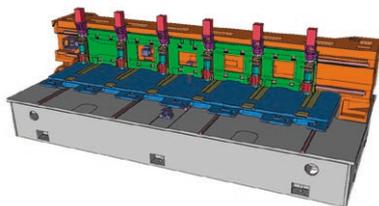
# ND-6A2226

## 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 applies 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 through high rigidity with no waste

By thoroughly revising this product starting with its basic design, Via Mechanics has successfully created an upgraded model that far surpasses the ND-6Y, its long-selling product worldwide. 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 developed independently by Via Mechanics and has a maximum rotation speed of 200,000 rpm. Also installed in the ND-6A2226 is a "Spindle Protection Device" that protects the machine from control errors by operators. This device protects the spindle mechanism from erroneous configurations of drill diameters and drilling conditions, non-standard substrate rigidity, and other elements.



### □ Equipped with latest "MARK-55N" CNC that incorporates use of wide monitor

The ND-6A2226 employs a screen size, character size and screen layout that enhances visibility and operability. Furthermore, it successfully offers intuitive operation through elements such as realizing high response. With its adequate display of alarm messages, its simple screen designed from the point-of-view of the operator and more, the ND-6A2226 realizes a superior man-to-machine interface.



### □ Equipped standard with online operation rate monitoring system

This machine accommodates an integrated control system for a more enhanced level of productivity. Using an online operation rate monitoring system that provides data on operation rates in real time, the ND-6A2226 realizes the centralized control of operation status that also covers older drilling machines, thereby contributing to productivity.

### □ Designed with emphasis placed on ease of use

The main unit of this machine was designed with a supremely streamlined structure out of consideration of onsite tasks such as tool replacement and maintenance. The concentrated placement of its air unit and instruments in easy-to-access locations is just one of the many ideas that have gone into its design.



### □ Realizes industry-first level of high cost-performance

With the ND-6A2226, Via Mechanics has realized top-class levels of energy- and running cost-savings that considerably outstrip the competition. This machine achieves a balance of efficiency and productivity at high levels.

#### ND-6A2226/Primary specification

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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