



Panasonic NPM-D3 High-Speed SMT Pick And Place Machine with Precision Placement and Flexibility

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: Panasonic
- Model Number: NPM-D3 / NM-EJM6D
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1000*2800*1600mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Model ID: NPM-D3
- PCB Dimensions*1 mm Dual Lane Mode: L50 × W50 L510 × W300mm
- PCB Dimensions*1 mm Single Lane Mode: L 50 × W 50 L 510 × W 590
- PCB Exchange Time Dual Lane Mode: 0s* *No 0s When Cycle Time Is 3.6 S Or Less
- PCB Exchange Time Single Lane Mode: 3.6 S* *When Selecting Short Conveyors
- Electric Source: 3-phase AC 200, 220, 380, 400, 420, 480 V 2.7 KVA
- Pneumatic Source*2: 0.5 MPa, 100 L /min A.N.R.
- Dimensions mm *2: W 832mm × D 2652mm*3 × H 1444mm*4
- Mass: 1680 Kg Only For Main Body:This Differs Depending On The Option Configuration.
- Condition: Original New/Used Original



More Images



Product Description

NM-EJM6D SMT Pick And Place Machines Panasonic NPM-D3 Dual Lane Mode

Panasonic NPM-D3: Revolutionizing SMT with Precision and Efficiency

The **Panasonic NPM-D3** is a high-performance Surface-Mount Technology (SMT) machine designed to meet the rigorous demands of modern electronics assembly. As the electronics industry continues to push for smaller, faster, and more powerful devices, the need for highly efficient and precise manufacturing processes has never been greater. The NPM-D3 stands out as one of the premier choices for companies looking to enhance their production capabilities and maintain high quality in the competitive SMT sector.

What is the Panasonic NPM-D3?

The Panasonic NPM-D3 is an advanced pick-and-place machine designed for high-speed, high-precision component placement. It is part of Panasonic's NPM series, which is well-regarded in the SMT industry for its cutting-edge technology, reliability, and versatile functionality. The NPM-D3 is a next-generation model that offers improvements over its predecessors in terms of speed, accuracy, and flexibility, making it an ideal solution for manufacturers looking to optimize their assembly lines.

This machine is equipped with multiple nozzles and is capable of handling a wide range of components, from small 0201 chips to larger components, while maintaining high placement accuracy. It is built to handle both high-mix and high-volume production, making it suitable for a wide array of industries, including automotive, telecommunications, consumer electronics, and medical devices.

Key Features and Benefits

High-Speed Operation

The Panasonic NPM-D3 features high-speed placement capabilities, offering a significant boost to productivity. The machine's advanced hardware and software systems ensure rapid component placement, reducing cycle times and increasing throughput.

Precision Placement

Equipped with advanced vision systems and multi-directional component recognition technology, the NPM-D3 places components with extreme accuracy, ensuring that each component is positioned correctly on the PCB.

Flexibility

One of the standout features of the NPM-D3 is its ability to handle a wide range of components, including both fine-pitch and large components. This makes the machine highly versatile and capable of adapting to different production needs.

Smart Automation

The Panasonic NPM-D3 is built with intelligent automation in mind. The machine is capable of automatically adjusting its settings based on real-time production data, optimizing its performance to match the specific requirements of the task at hand.

Reduced Downtime

The NPM-D3 comes equipped with features designed to minimize downtime. The machine is designed for easy maintenance, with modular components that can be swapped out quickly when needed.

Compact Design

Despite its high performance, the NPM-D3 is designed with a compact footprint, making it ideal for facilities where space is at a premium.

Applications of the Panasonic NPM-D3

The versatility of the Panasonic NPM-D3 makes it suitable for a wide variety of applications across numerous industries:

Consumer Electronics: Ideal for smartphones, wearable devices, and other consumer gadgets requiring tight tolerances.

Automotive: Perfect for infotainment systems and advanced driver assistance systems (ADAS) requiring high precision.

Medical Devices: Ensures reliable performance for life-critical applications requiring the highest standards of accuracy.

Telecommunications: Excellent for 5G and other communication technologies requiring high-volume, high-precision assembly.

Advantages Over Competitors

Speed and Efficiency: Outpaces many competitors in terms of both speed and accuracy.

Advanced Vision System: Provides real-time feedback and adjustments for optimal component placement.

Flexibility: Handles a variety of component types, offering greater versatility than specialized machines.

Cost-Effectiveness: High efficiency and low maintenance needs result in lower total cost of ownership.

Conclusion

The **Panasonic NPM-D3** is a cutting-edge SMT machine that offers significant advantages in speed, precision, flexibility, and efficiency. Designed to meet the challenges of modern electronics manufacturing, it is a versatile solution for industries ranging from consumer electronics to automotive and medical devices. By incorporating advanced technology and intelligent automation, the NPM-D3 helps manufacturers stay competitive in an increasingly fast-paced market.



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