



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

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

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. This is especially valuable in high-volume production environments where every second counts.

Precision Placement

Precision is paramount in SMT assembly, and the NPM-D3 excels in this area. 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. This level of precision minimizes the risk of errors and reduces the need for rework, which ultimately lowers production costs.

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.

Additionally, the NPM-D3 can be easily reprogrammed to accommodate different PCB layouts, allowing manufacturers to quickly switch between different product lines without significant downtime.

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. This includes automated feeder management, nozzle selection, and even component height adjustments. Such automation reduces human error and enhances overall efficiency.

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. Additionally, the machine's automated calibration system ensures that it remains in peak condition, reducing the need for frequent manual adjustments and minimizing the chances of mechanical failure.

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. The machine's small size does not compromise its capabilities, as it is able to fit seamlessly into most production lines while offering top-tier performance.

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:** The growing demand for smartphones, wearable devices, and other consumer gadgets makes the NPM-D3 an ideal choice for manufacturers in this sector. Its high-speed, precise placement abilities help meet the tight tolerances required in consumer electronics manufacturing.
- Automotive:** In the automotive industry, electronics are playing an increasingly vital role in everything from infotainment systems to advanced driver assistance systems (ADAS). The NPM-D3's ability to handle a range of components with high precision makes it an ideal tool for automotive electronics assembly.
- Medical Devices:** The medical industry requires the highest standards of reliability and accuracy in manufacturing. The NPM-D3's precision placement capabilities ensure that components are placed with accuracy, which is critical for medical devices that require reliable performance in life-critical applications.
- Telecommunications:** With the rapid expansion of 5G and other communication technologies, the need for efficient and precise SMT assembly is growing. The NPM-D3's versatility and performance make it a great fit for telecommunications companies needing high-volume, high-precision assembly.

Advantages Over Competitors

Compared to other SMT placement machines, the Panasonic NPM-D3 offers several key advantages:

- Speed and Efficiency:** The NPM-D3 outpaces many competitors in terms of both speed and accuracy, leading to increased production output with fewer errors.
- Advanced Vision System:** The built-in vision system of the NPM-D3 provides real-time feedback and adjustments, ensuring optimal placement of every component, even under challenging conditions.
- Flexibility:** While many competitors focus on specialized applications, the NPM-D3 is flexible enough to handle a variety of component types, offering manufacturers greater versatility and the ability to adapt to changing production needs.
- Cost-Effectiveness:** With its high efficiency, low maintenance needs, and reduced downtime, the NPM-D3 proves to be a cost-effective solution in the long run, helping manufacturers achieve a 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. Whether you're looking to streamline production, improve quality, or reduce costs, the Panasonic NPM-D3 is a machine that can elevate your

manufacturing capabilities to new heights.

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