



NM-EJM7D SMT Pick And Place Machines Panasonic NPM-W2

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: Panasonic
- Model Number: NM-EJM7D
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1500*2500*1600mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Model ID: NPM-W2
- Light Weight 16-nozzle Head: NM-EJM7D
- 12-nozzle Head: NM-EJM7D
- Light Weight 8-nozzle Head: NM-EJM7D
- 3-nozzle Head V2: NM-EJM7D
- Dispensing Head: NM-EJM7D-MD
- Inspection Head: NM-EJM7D-MA
- No Head: NM-EJM7D
- Electric Source: 3-phase AC 200、220、380、400、420、480V 2.8 KVA
- Pneumatic Source*2: 0.5 MPa、200 L /min A.N.R.
- Dimensions mm *2 mm : W 1 280 Mm*3 × D 2 332 Mm*4 × H 1 444 Mm*5
- Mass: 2 470 Kg Only For Main Body:This Differs Depending On The Option Configuration



More Images



Product Description

The **Panasonic NPM-W2** is a high-performance **Surface-Mount Technology (SMT) pick-and-place machine** designed for efficient, precise, and high-speed component placement. It is part of the Panasonic NPM series, which is well-regarded in the SMT industry for its advanced technology, flexibility, and reliability. Below are the key features of the **Panasonic NPM-W2**:

1. High-Speed Placement

The Panasonic NPM-W2 is designed to offer high-speed placement, making it ideal for high-volume production environments. The machine is capable of placing components at a very fast rate, reducing cycle times and improving throughput without sacrificing accuracy.

2. Advanced Vision System

Equipped with an advanced vision system, the NPM-W2 ensures precise component placement. This system enables real-time component recognition and alignment, even for small, fine-pitch components like 0201 chips. The vision system enhances the machine's accuracy, reducing errors and rework.

3. Wide Component Range

The NPM-W2 is capable of handling a broad range of components, from the smallest 0201 packages to larger components. Its flexible component-handling capabilities make it suitable for high-mix production environments where different types of components need to be placed with precision.

4. Multi-Nozzle Technology

The machine utilizes multiple nozzles, allowing it to place different components simultaneously. This multi-nozzle setup contributes to the machine's high-speed performance and efficiency, improving the overall throughput of the production line.

5. High Placement Accuracy

With an accuracy of up to ± 0.05 mm, the NPM-W2 provides reliable component placement, even for sensitive applications. This precision ensures that components are placed correctly on the PCB, reducing the risk of defects and enhancing product quality.

6. Flexibility in Feeder Management

The Panasonic NPM-W2 offers flexible feeder management, allowing for a combination of different feeder types, including high-speed and multi-tape feeders. This flexibility enables the machine to handle a variety of components and support different production needs.

7. Modular Design

The NPM-W2 is designed with a modular structure, allowing for easy upgrades and customization. This modularity makes it easy to add new capabilities or replace components when necessary, ensuring that the machine can be adapted to future production requirements.

8. Reduced Downtime

The NPM-W2 is built for high reliability and minimal downtime. Its automated maintenance and self-diagnostic systems ensure that the machine operates efficiently with minimal intervention. The system can detect potential issues before they lead to machine failure, reducing the need for costly repairs and unplanned downtime.

9. Smart Automation Features

The NPM-W2 incorporates intelligent automation features, such as automatic calibration and feeder optimization. These features help ensure that the machine maintains optimal performance throughout production, further enhancing efficiency and reducing manual adjustments.

10. Compact and Space-Saving Design

Despite its high performance, the Panasonic NPM-W2 has a compact footprint. This makes it suitable for facilities where space is limited while still providing top-tier performance. The machine's space-saving design allows it to fit into various production environments without compromising functionality.

11. Energy Efficiency

The NPM-W2 is designed with energy efficiency in mind. It uses advanced technologies that help reduce power consumption, contributing to lower operational costs while also minimizing its environmental footprint.

12. User-Friendly Interface

The NPM-W2 features an intuitive, user-friendly interface, which simplifies operation and reduces the learning curve for new operators. The interface provides real-time monitoring of machine status, component placement data, and performance analytics, making it easier to track production progress and make necessary adjustments.

13. Real-Time Performance Monitoring

The machine is equipped with real-time performance monitoring capabilities, which help operators and managers track efficiency, component placement quality, and production output. These analytics provide actionable insights that can be used to optimize the production process.

14. Support for High-Mix, Low-Volume Production

Thanks to its flexibility, the Panasonic NPM-W2 is well-suited for high-mix, low-volume production. It can handle a wide variety of PCB designs and component types, making it ideal for industries that require quick changeovers between different production runs, such as automotive, medical devices, and consumer electronics.

15. Advanced Component Handling

The NPM-W2's advanced component-handling capabilities include precise alignment for even the most difficult-to-handle components. The machine uses sophisticated algorithms to manage components of varying sizes and shapes, ensuring consistent performance across all production tasks.

16. Seamless Integration

The NPM-W2 can be seamlessly integrated into existing production lines, working alongside other SMT equipment to create an efficient, streamlined process. Its compatibility with various software and hardware solutions ensures that it can fit into the broader factory automation setup.

17. Improved Yield and Reduced Defects

With its precision placement, real-time monitoring, and intelligent automation features, the Panasonic NPM-W2 helps improve overall yield and reduce defects. This results in higher-quality products and lower scrap rates, which contributes to cost savings over time.

18. Adaptable to Future Production Needs

The Panasonic NPM-W2 is designed to be adaptable to changing production requirements. As new components and manufacturing techniques emerge, the NPM-W2 can be upgraded or reconfigured to handle future production demands, making it a long-term investment for any company.

Conclusion

The **Panasonic NPM-W2** combines high-speed placement, precision, flexibility, and intelligent automation to meet the growing demands of modern electronics manufacturing. Whether you are producing small batches of high-mix products or large volumes of standardized items, the NPM-W2's versatile features, such as advanced vision systems, modular design, and energy efficiency, make it a top choice for SMT production lines. With the ability to improve productivity, reduce downtime, and enhance product quality, the NPM-W2 is a vital tool for manufacturers looking to stay competitive in the fast-paced electronics industry.

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