Panasonic NPM-D3 SMT Placement Machine with Dual Lane Mode for High-Speed Operation and Precision Placement

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 Timne 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 Placement Machine 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 engineered to meet the rigorous demands of modern electronics assembly. As the electronics industry continues to demand 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 a premier choice for companies seeking to enhance production capabilities and maintain superior quality in the competitive SMT sector.

Overview: Panasonic NPM-D3 SMT Placement Machine

The Panasonic NPM-D3 is an advanced pick-and-place machine designed for high-speed, high-precision component placement. As part of Panasonic's renowned NPM series, this next-generation model offers significant improvements in speed, accuracy, and flexibility over previous versions. Equipped with multiple nozzles, the machine handles a comprehensive range of components from small 0201 chips to larger elements while maintaining exceptional placement accuracy. It is engineered for both high-mix and high-volume production, making it suitable for diverse industries including automotive, telecommunications, consumer electronics, and medical devices.

Key Features and Benefits

High-Speed Operation: Advanced hardware and software systems ensure rapid component placement, reducing cycle times and significantly increasing throughput for high-volume production environments.

Precision Placement: Equipped with advanced vision systems and multi-directional component recognition technology for extreme placement accuracy, minimizing errors and reducing rework costs.

Flexibility: Capable of handling both fine-pitch and large components with easy reprogramming for different PCB layouts, enabling quick transitions between product lines.

Smart Automation: Intelligent automation features including automated feeder management, nozzle selection, and component height adjustments optimize performance and reduce human error.

Reduced Downtime: Modular design for easy maintenance and automated calibration systems ensure peak operational condition with minimal manual intervention.

Compact Design: Space-efficient footprint allows seamless integration into production lines without compromising performance capabilities.

Industry Applications

Consumer Electronics: Ideal for smartphones, wearable devices, and consumer gadgets requiring tight tolerances and high-speed precision.

Automotive: Suitable for infotainment systems and advanced driver assistance systems (ADAS) where reliability and precision are critical.

Medical Devices: Ensures accurate component placement for life-critical medical equipment requiring the highest reliability standards.

Telecommunications: Supports high-volume, high-precision assembly for 5G and communication technology expansion.

Competitive Advantages

Superior Speed and Efficiency: Outpaces competitors in both speed and accuracy, increasing production output with fewer errors.

Advanced Vision System: Real-time feedback and adjustments ensure optimal component placement under challenging conditions.

Exceptional Flexibility: Versatile handling of various component types provides greater adaptability to changing production needs.

Cost-Effectiveness: High efficiency, low maintenance requirements, and reduced downtime contribute to lower total cost of ownership.

Conclusion

The Panasonic NPM-D3 represents cutting-edge SMT technology offering significant advantages in speed, precision, flexibility, and efficiency. Designed to meet modern electronics manufacturing challenges, this versatile solution helps manufacturers across consumer electronics, automotive, medical, and telecommunications industries stay competitive. By incorporating advanced technology and intelligent automation, the NPM-D3 enables streamlined production, improved quality, and reduced operational costs.

NM-EJM6D SMT Pick And Place Machines Panasonic NPM-D3 | GSSMT, Panasonic NPM-D3 pick and place machine, Panasonic NPM-D3 specifications, Panasonic NPM-D3 review, NPM-D3 placement machine, Panasonic NPM-D3 for sale, NPM-D3 features, Panasonic NPM-D3 maintenance, NPM-D3 SMT machine, NPM-D3 assembly line, Panasonic NPM-D3 speed, Panasonic NPM-D3 accuracy, NPM-D3 component placement, Panasonic NPM-D3 parts, Panasonic NPM-D3 price, NPM-D3 pick and place performance, Panasonic NPM-D3 setup, NPM-D3 in electronics manufacturing, Panasonic NPM-D3 programming, NPM-D3 machine efficiency, Panasonic NPM-D3 vs NPM-D2