

Fuji NXT H08MQ Head with Backup Pin 2UGKHF000120

Our Product Introduction

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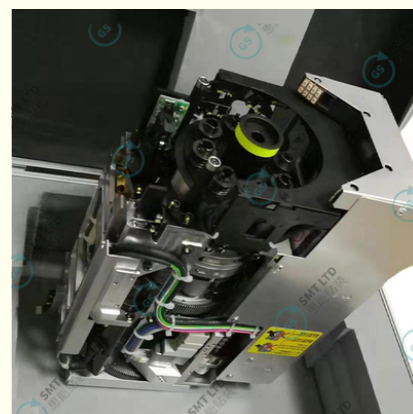
Basic Information

- Place of Origin: Japan
- Brand Name: FUJI
- Model Number: 2UGKHF000120
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 600*900*400mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Brand Name: FUJI
- Product Name: NXT H08MQ Head
- Model Number 1: 2UGKHF000120
- Condition: Original New/Used Original
- Highlight: Fuji NXT H08MQ Head 2UGKHF000120, Fuji NXT H08MQ Head, H08MQ Head with Backup Pin



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Product Description

Maximizing SMT Performance with the FUJI NXT H08MQ Head with Backup Pin

The Surface Mount Technology (SMT) industry constantly demands higher efficiency, greater precision, and increased flexibility. At the heart of many advanced SMT assembly lines lies the FUJI NXT series, renowned for its modularity and adaptability. A critical component within this system is the FUJI H08MQ HEAD, particularly the version equipped with a backup pin. This article delves into the features, benefits, and applications of the FUJI H08MQ HEAD with backup pin, highlighting its role in optimizing SMT processes.

Understanding the FUJI H08MQ HEAD

The FUJI H08MQ HEAD is a placement head designed for the FUJI NXT series of mounters [1][5]. It's categorized as a multipurpose head, offering a balance between speed and component handling capabilities [4]. The "08" in its name signifies that it is an 8-nozzle head, enabling the simultaneous pick-and-place of up to eight components, which significantly boosts throughput [8]. It is designed to handle components ranging from 0603 to 45 x 45 mm [2][8].

The Significance of the Backup Pin

The inclusion of a backup pin is a crucial feature that enhances the reliability and stability of the placement process. The backup pin provides additional support to the PCB during component placement, preventing it from flexing or vibrating [6]. This is especially important when dealing with thin or flexible PCBs, or when placing larger or heavier components. By minimizing PCB movement, the backup pin ensures accurate and consistent placement, reducing the risk of defects and improving overall yield.

Key Features and Benefits

- * **High-Precision Placement:** The FUJI H08MQ HEAD is engineered for accurate component placement, contributing to high-quality SMT assembly. The AIMEX III's H08M boasts a placement accuracy of ± 0.040 mm [2].

- * **Versatile Component Handling:** It can handle a wide range of component sizes and types, from small chip components to larger, odd-form parts [2][8].

- * **Increased Throughput:** The 8-nozzle design allows for the simultaneous placement of multiple components, increasing the speed and efficiency of the assembly process [8].

- * **Enhanced Reliability:** The backup pin minimizes PCB movement, ensuring consistent and accurate placement, even on flexible boards [6].

- * **Compatibility:** The FUJI H08MQ HEAD is compatible with the FUJI NXT series of mounters, ensuring seamless integration into existing SMT lines [1][5].

- * **Automatic Head Cleaner:** The auto head cleaner cleans the air routes inside the head, checking the flow amount, air leaks, and moving time for each axis [4].

Applications

The FUJI H08MQ HEAD with backup pin is well-suited for a variety of SMT applications, including:

- * **High-Mix, Low-Volume Production:** Its flexibility and quick changeover capabilities make it ideal for production environments where a wide range of products are manufactured in small quantities [2].

- * **Automotive Electronics:** The high reliability and precision of the H08MQ HEAD are essential for the assembly of automotive electronic components, which must withstand harsh environmental conditions.

- * **Industrial Automation:** It is used in the production of industrial automation equipment, where accuracy and durability are critical.

- * **Medical Devices:** The stringent quality requirements of medical device manufacturing necessitate the use of high-precision placement equipment like the FUJI H08MQ HEAD.

Maintaining and Optimizing the FUJI H08MQ HEAD

To ensure optimal performance and longevity of the FUJI H08MQ HEAD, regular maintenance is essential. This includes:

- * **Regular Cleaning:** Keeping the nozzles and other components clean and free from debris is crucial for maintaining placement accuracy.

- * **Lubrication:** Proper lubrication of moving parts ensures smooth operation and reduces wear and tear [6].

- * **Inspection:** Regularly inspect the head for any signs of damage or wear, and replace worn parts as needed [4].

- * **Calibration:** Periodically calibrate the head to ensure accurate placement [4].

Common Issues and Troubleshooting

Even with proper maintenance, issues can arise. Here are a few common problems and potential solutions:

- * **Placement Errors:** Check nozzle alignment, vacuum pressure, and PCB support.

- * **Component Misalignment:** Inspect the feeder and ensure proper component orientation.

- * **Head Jams:** Clear any obstructions and lubricate moving parts.

Frequently Asked Questions (FAQ)

Q1: What component sizes can the FUJI H08MQ HEAD handle?

A1: The FUJI H08MQ HEAD can handle components ranging from 0603 to 45 x 45 mm [2][8].

Q2: What is the placement accuracy of the FUJI H08MQ HEAD?

A2: The placement accuracy of the FUJI H08MQ HEAD is ± 0.040 mm (3σ) cpk ≥ 1.00 [2].

Q3: What are the benefits of using a backup pin?

A3: The backup pin provides additional support to the PCB during component placement, preventing it from flexing or vibrating, ensuring accurate and consistent placement [6].

Q4: Is the FUJI H08MQ HEAD compatible with all FUJI NXT mounters?

A4: The FUJI H08MQ HEAD is designed for use with the FUJI NXT series of mounters [1][5]. Compatibility may vary depending on the specific model and configuration.

Q5: Where can I find spare parts and consumables for the FUJI H08MQ HEAD?

A5: Spare parts and consumables for the FUJI H08MQ HEAD can be found at various SMT component suppliers [1][3][6]. By understanding the features, benefits, and maintenance requirements of the FUJI H08MQ HEAD with backup pin, SMT manufacturers can optimize their assembly processes, improve product quality, and achieve greater efficiency.



Fuji NXT H08MQ Head with Backup Pin 2UGKHF000120 | GSSMT, Fuji NXT work head, Fuji NXT head, Fuji NXT placement head, Fuji NXT H24G head, Fuji NXT H12 head, Fuji NXT H08 head, Fuji NXT H04 head, Fuji NXT head maintenance, Fuji NXT head repair, Fuji NXT head cleaning, Fuji NXT head parts, Fuji NXT head nozzles, Fuji NXT head price, Fuji SMT work head, SMT placement head Fuji NXT, Fuji NXT head supplier, Fuji NXT head for sale, Fuji NXT head rebuild, Automatic head cleaner Fuji NXT, Fuji H01 HEAD, Fuji H01 HEAD, Fuji H02 HEAD, Fuji H02F HEAD, Fuji H02 HEAD, Fuji H04 HEAD, Fuji H04 HEAD, Fuji H04 HEAD, Fuji H04SF HEAD, Fuji H04S HEAD, Fuji H08 HEAD, Fuji H08 HEAD, Fuji H08M HEAD, Fuji H08MQ HEAD, Fuji H08Q HEAD, Fuji H12HS HEAD, Fuji H12HSQ HEAD, Fuji H12S HEAD, Fuji H12S HEAD, Fuji H12SQ HEAD, Fuji H24 HEAD, Fuji H24G HEAD, Fuji H24S HEAD, Fuji V12 HEAD



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