



H12HSQ Fuji NXT Head Without Backup Pin AA74B19 / AA74B25 Model Number

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: fuji
- Model Number: AA74B25 / AA74B19 / AA74B41
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 600*350*360mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Brand Name: FUJI
- Product Name: NXT H12HSQ Head
- Model Number 1: AA74B25
- Model Number 2: AA74B19
- Model Number 3: AA74B41
- Condition: Original New/Used Original
- Highlight: Fuji NXT Head AA74B19, H12HSQ Head Without Backup Pin, H12HSQ Fuji NXT Head



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Product Description

The Critical Role of the FUJI Nxt H12HSQ Head in SMT Assembly

The surface mount technology (SMT) assembly process relies on precision and efficiency to populate printed circuit boards (PCBs) with electronic components. At the heart of this process lies the placement head, a critical component responsible for picking and placing components onto the board with utmost accuracy. Among the various placement heads available, the FUJI Nxt H12HSQ Head stands out as a reliable and high-performance solution for FUJI NXT series SMT machines[3][6].

Understanding the FUJI Nxt H12HSQ Head

The FUJI Nxt H12HSQ Head is a placement head designed for use in FUJI NXT and NXT II SMT pick and place machines[3][5]. It is engineered to handle a wide range of components, from small chips to larger, more complex parts. Known for its speed and precision, the H12HSQ Head contributes significantly to the overall throughput and quality of the SMT assembly line[1].

Key Features and Benefits

- * High-Precision Placement: The H12HSQ Head ensures accurate placement of components, minimizing defects and improving the reliability of the final product[1].
- * Versatile Component Handling: It can handle a variety of component sizes and types, offering flexibility in production[2].
- * High-Speed Performance: The head's efficient design enables rapid pick and place cycles, maximizing production output[1].
- * Robust Design: Built with durable materials, the FUJI Nxt H12HSQ Head is designed for long-term reliability and minimal downtime[4].

Maintenance and Repair

Like all mechanical components, the FUJI Nxt H12HSQ Head requires regular maintenance to ensure optimal performance. This includes cleaning, lubrication, and periodic inspection for wear and tear. Repair services are also available to address any issues that may arise, such as damaged nozzles or faulty sensors[5][7]. Regular maintenance helps in extending the life of the head, ensuring continued efficiency and accuracy in the SMT process[2].

Nozzle Quality Management

Nozzle quality is a critical factor affecting overall equipment efficiency (OEE). Nozzles in poor condition can lead to pickup errors and reduced productivity. Functions like nozzle statistical warnings detect pickup error-prone nozzles, stopping the machine or automatically replacing defective nozzles with replacements to minimize productivity loss[2]. The nozzle blocking function prevents nozzles requiring maintenance from being used in production, ensuring continuous operation with nozzles in good condition[2].

Enhancing Performance with Maintenance Functions

- * Periodic Nozzle Blow Cleaning: This function blows out dust inside nozzles, maintaining pickup rate by preventing accumulation of foreign objects[2].
- * Brushing Unit: Cleans the nozzle surface to reduce vision processing errors, which prevents misrecognition during component pickup[2].
- * Simple Nozzle Stuck Detection: Prevents excess load on parts and solder by checking the movement of the nozzle sliding section, stopping the machine when stuck nozzles are detected[2].
- * Intelligent Part Sensor (IPS): Checks nozzle tip condition through images to detect errors like unusual length, foreign object adhesion, or cracking, enabling automatic replacement of defective nozzles[2].

Common Issues and Troubleshooting

Some common issues that may arise with the FUJI Nxt H12HSQ Head include:

- * Pickup Errors: Misalignment or failure to pick up components properly[2].
- * Placement Errors: Incorrect placement of components on the PCB[2].
- * Nozzle Clogs: Blockage of the nozzle due to debris or adhesive[2].
- * Sensor Malfunctions: Failure of sensors to detect component presence or position[2].

Troubleshooting these issues often involves cleaning and inspecting the head, replacing worn parts, and recalibrating sensors.

Importance of High-Quality Spare Parts

When replacing parts on the FUJI Nxt H12HSQ Head, it is crucial to use high-quality spare parts to ensure compatibility and performance. Using inferior parts can lead to further damage and reduced efficiency.

Frequently Asked Questions (FAQs)

Q1: What is the typical lifespan of a FUJI Nxt H12HSQ Head?

A1: The lifespan of a FUJI Nxt H12HSQ Head can vary depending on usage and maintenance. With proper care, it can last for several years.

Q2: How often should I perform maintenance on the H12HSQ Head?

A2: Regular maintenance should be performed at least every month, including cleaning and inspection. More frequent maintenance may be required depending on the production volume and environment.

Q3: Can I repair the H12HSQ Head myself?

A3: While some basic maintenance can be performed in-house, complex repairs should be carried out by trained technicians with the appropriate tools and expertise[5][7].

Q4: What are the signs that the H12HSQ Head needs to be replaced?

A4: Signs that the H12HSQ Head may need replacement include frequent pickup or placement errors, excessive vibration or noise, and visible damage to the head[2].

Q5: Where can I purchase genuine spare parts for the FUJI Nxt H12HSQ Head?

A5: Genuine spare parts can be purchased from authorized FUJI distributors or reputable suppliers of SMT equipment and parts[3][4].

Conclusion

The FUJI Nxt H12HSQ Head is a vital component in modern SMT assembly lines. Its precision, speed, and reliability make it an excellent choice for high-volume PCB production. Regular maintenance, timely repairs, and the use of high-quality spare parts are essential to ensure the continued performance and longevity of this critical piece of equipment.



Fuji NXT H12HSQ Head Without Backup Pin | 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



Global Soul Limited

☎ +8613728696610

✉ liyi@gs-smt.com

🌐 smtmachinepart.com

Room F3B-016, B Block, Hao Yun Lai Bussiness Building, Liutang road , Bao'an District , Shenzhen, China