



Industrial Automation FUJI Nxt Head H24 Multifunctional For SMT Manufacturing

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: fuji
- Model Number: H24
- 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: FUJI Nxt H24 Head
- Condition: Original New/Used Original
- Lead Time: 1-7 Days
- Highlight: Multifunctional FUJI Nxt Head, H24 FUJI Nxt Head, SMT Manufacturing FUJI Nxt Head



More Images



Product Description

Revolutionizing SMT Assembly: The FUJI NXT H24 Placement Head

The surface mount technology (SMT) industry is in constant evolution, demanding higher speeds, greater accuracy, and more flexibility from placement equipment. At the forefront of this evolution is the FUJI NXT series, particularly with its advanced H24 placement head. This article delves into the features, benefits, and impact of the FUJI NXT H24 Head on modern SMT assembly processes.

Understanding the FUJI NXT Series

The FUJI NXT series is a modular, multi-functional placement platform designed for high-mix, high-volume production environments[7]. Its modular design allows for flexible configuration, enabling manufacturers to tailor the machine to their specific production needs[4]. The NXT series supports a wide range of components, from the smallest chip parts to large, odd-form components, making it a versatile solution for various applications[2].

The FUJI NXT H24 Head: A Leap in Placement Technology

The FUJI NXT H24 Head represents a significant advancement in placement technology. It is engineered for high-speed and high-accuracy placement of small components, particularly in demanding applications such as smartphone manufacturing, wearable devices, and other miniaturized electronics[7].

Key Features and Benefits:

- * **High-Speed Placement:** The H24 head is designed to maximize throughput. The new H24G high-speed head achieves 37,500 cph (chips per hour) in Productivity priority mode per module, a 44% improvement from the fastest speed of the NXT II[1][7]. In standard mode, the H24 head achieves 35,000 cph[4].
- * **Enhanced Accuracy:** Precision is paramount in SMT assembly, especially with the increasing use of smaller components. The H24 head delivers a placement accuracy of +/- 0.025 mm, ensuring reliable and consistent placement[1][7].
- * **Small Component Support:** The H24 head is capable of handling ultra-small components, including 0201 mm parts[1][7]. This capability is crucial for manufacturers producing compact and high-density electronic devices.
- * **Versatility:** The FUJI NXT interchangeable head allows each machine to support almost all surface mount component types and perform both high-speed chip mounting and odd-form component placement[2].
- * **Intelligent Part Sensor (IPS):** The Intelligent Part Sensor (IPS) is standard on the H24G placement head and checks the orientation of parts on the nozzle and ensures that the part does not remain on the nozzle after placement[4].
- * **Low Impact Force:** As part sizes get increasingly smaller and more delicate, lower impact forces during placement are required[4]. The 008004" (0.25 x 0.125 mm) part nozzles developed for the H24G head achieve an impact force of no greater than 0.5 N without any reduction in operation speed[4].

Nozzles for the FUJI NXT H24 Head

Count On Tools Inc. has expanded the Fuji NXT Nozzle Series for the new H24 mounter head[2]. Standard nozzles from Count On Tools compliment this mounter to provide increased reliability and performance within the Fuji NXT III platform of machines[2]. The H24-4.7mm Disc (0.3mm – 2.5mm Ceramic Tips)[2].

Applications of the FUJI NXT H24 Head

The FUJI NXT H24 Head is ideal for a wide range of applications, including:

- * **Mobile Devices:** Smartphones, tablets, and other mobile devices require high-density component placement, making the H24 head an excellent choice.
- * **Wearable Technology:** Smartwatches, fitness trackers, and other wearable devices demand miniaturization and precision, aligning perfectly with the capabilities of the H24 head.
- * **Automotive Electronics:** The automotive industry increasingly relies on advanced electronics, such as ADAS (Advanced Driver Assistance Systems) and infotainment systems, which benefit from the H24 head's accuracy and speed.
- * **Industrial Automation:** Industrial control systems and automation equipment often require precise component placement, making the H24 head a valuable asset in manufacturing these devices.

Integrating the FUJI NXT H24 Head into Production

Integrating the FUJI NXT H24 Head into an existing SMT production line is a straightforward process, thanks to the modular design of the NXT series. The head can be easily installed and configured to work with other modules in the line, allowing for seamless integration and minimal disruption to production.

Questions and Answers

Here are some frequently asked questions about the FUJI NXT H24 Head:

Q1: What is the placement speed of the FUJI NXT H24 Head?

A1: The new H24G high-speed head achieves 37,500 cph (chips per hour) in Productivity priority mode per module[1][7].

Q2: What is the placement accuracy of the FUJI NXT H24 Head?

A2: The H24 head delivers a placement accuracy of +/- 0.025 mm[1][7].

Q3: What is the smallest component size that the FUJI NXT H24 Head can handle?

A3: The H24 head is capable of handling ultra-small components, including 0201 mm parts[1][7].

Q4: What are some typical applications for the FUJI NXT H24 Head?

A4: Typical applications include mobile devices, wearable technology, automotive electronics, and industrial automation[7].

Q5: Is the FUJI NXT H24 Head easy to integrate into existing SMT production lines?

A5: Yes, the modular design of the NXT series allows for easy integration and minimal disruption to production[4].

Conclusion

The FUJI NXT H24 Head is a game-changing solution for SMT assembly, offering high speed, exceptional accuracy, and versatile component support. As the demand for smaller, more complex electronic devices continues to grow, the H24 head is poised to play a critical role in enabling manufacturers to meet these challenges and stay ahead of the competition.



FUJI Nxt H24 Head | 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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