High-Efficiency Modular Z:LEX YAMAHA YSM20R

Our Product Introduction

Basic Information

- Place of Origin: Japan
- Brand Name: YAMAHA
- Model Number: YSM20R
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1500*2000*1600mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days

Product Specification

- Machine Name: YSM20R
- Applicable PCB: Dual Stage (only For X Axis 2-beam Specs.)
- 1 PCB Conveyance: L810 X W490 To L50 X W50
- 2 PCB Conveyance: L380 X W490 To L50 X W50
- Single Lane: L810 X W490 To L50 X W50
- Dual Lane (only For X Axis 2-beam Specs.): L810 X W230 To L50 X W50
- Mounting Capability X Axis 2-beam: High-speed Multi-purpose
- Mounting Capability: 90,000 CPH (under Optimum Conditions As Defined By Yamaha Motor)
- Mounting Accuracy (Under Optimum Conditions As Defined By Yamaha Motor When Standard Evaluation Mate: +/-0.035mm (+/-0.025mm) Cpk≧1.0 (3σ)
- Applicable Components High-speed Multi-purpose: 03015 To 45 X 45mm L100mm, Height 15mm Or Less

More Images

Product Description

Title: High-Efficiency Modular Z:LEX YAMAHA YSM20R: An Overview

The surface mount technology (SMT) industry is in constant pursuit of higher efficiency, greater speed, and enhanced flexibility. The YAMAHA YSM20R, a high-end, high-efficiency modular mounter, stands out as a solution designed to meet these demands. This article provides an overview of the YAMAHA YSM20R, exploring its features, benefits, and applications in modern SMT assembly.

Understanding the YAMAHA YSM20R

The YAMAHA YSM20R is a modular mounter designed for high-mix, high-volume production environments. Its modular design allows for flexible configuration, enabling manufacturers to tailor the machine to their specific production needs[4]. The YAMAHA YSM20R supports a wide range of components, from small chip parts to large components, making it a versatile solution for various applications.

Key Features and Benefits of the YAMAHA YSM20R

* High-Speed Placement: The YAMAHA YSM20R boasts a mounting speed of up to 95,000 components per hour (CPH) under optimum conditions, making it one of the fastest mounters in its class. This high-speed capability is crucial for high-volume production environments.
* Enhanced Accuracy: Precision is paramount in SMT assembly. The YAMAHA YSM20R delivers a placement accuracy of ±0.035mm (±0.025mm) Cpk≧1.0 (3σ) under optimum conditions.
* Wide Component Range: The YAMAHA YSM20R can handle a broad spectrum of components, ranging from 0201mm to 55 x 100mm in size. This versatility allows manufacturers to use a single machine for various production needs.
* Flexible Configurations: The modular design of the YAMAHA YSM20R allows for easy customization and expansion. The machine can be configured with different heads and feeder options to meet specific production requirements.
* Improved Component Adaptability: Featuring a new wide-scan camera, the YAMAHA YSM20R has improved component adaptability. This camera enhances the machine's ability to accurately recognize and place components.
* Optional Features: The YAMAHA YSM20R has optional features improving line operating rate without stopping the machine.
* Automatic Pin Support: Automatic Pin Support according to program.
* No Head Replacement: Needs no head replacement for 0201mm to large-size components.

Applications of the YAMAHA YSM20R

The YAMAHA YSM20R is used in diverse industries, including automotive electronics, medical devices, and LED lighting manufacturing, ensuring efficient and accurate production[3].

The YAMAHA YSM20R is ideal for a wide range of applications, including:

* Mobile Devices
* Wearable Technology
* Automotive Electronics
* Industrial Automation
* Medical Devices
* LED Lighting

Integrating the YAMAHA YSM20R into Production

Integrating the YAMAHA YSM20R into an existing SMT production line is a straightforward process, thanks to its modular design. The machine can be easily configured to work with other machines in the line, allowing for seamless integration and minimal disruption to production.

Questions and Answers

Here are some frequently asked questions about the YAMAHA YSM20R:

Q1: What is the placement speed of the YAMAHA YSM20R?

A1: The YAMAHA YSM20R has a maximum placement speed of 95,000 components per hour (CPH) under optimum conditions.

Q2: What is the placement accuracy of the YAMAHA YSM20R?

A2: The YAMAHA YSM20R delivers a placement accuracy of ±0.035mm (±0.025mm) Cpk≧1.0 (3σ) under optimum conditions.

Q3: What is the smallest component size that the YAMAHA YSM20R can handle?

A3: The YAMAHA YSM20R can handle components as small as 0201mm.

Q4: What are some typical applications for the YAMAHA YSM20R?

A4: Typical applications include mobile devices, wearable technology, automotive electronics, industrial automation, medical devices and LED lighting.

Q5: What are the key benefits of the YAMAHA YSM20R?

A5: Key benefits include high-speed placement, enhanced accuracy, wide component range, flexible configurations, and improved component adaptability.

Conclusion

The YAMAHA YSM20R is a high-efficiency modular mounter that offers high speed, exceptional accuracy, and versatile component support[4]. With its ability to handle a wide range of components and applications, the YAMAHA YSM20R is a good pick & place machine for all printed circuit boards (PCB).

High-Efficiency Modular Z:LEX YAMAHA YSM20R | GSSMT, YAMAHA YSM20R, YAMAHA YSM20R (YAMAHA YSM20R SMT Pick and Place Machine), YSM20R YAMAHA, YAMAHA YSM20R (YAMAHA SMT Pick and Place YSM20R), YAMAHA YSM20R specifications, YAMAHA YSM20R price, YAMAHA YSM20R for sale, YAMAHA YSM20R manual, YAMAHA YSM20R review, YAMAHA YSM20R speed, YAMAHA YSM20R components size, YAMAHA YSM20R placement accuracy, YAMAHA YSM20R feeder capacity, YAMAHA YSM20R spare parts, YAMAHA YSM20R maintenance, YAMAHA YSM20R training, YAMAHA Z:LEX YSM20R, High-efficiency modular mounter YSM20R, SMT machine YAMAHA YSM20R, YAMAHA YSM20R pick and place machine,

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