High-Efficiency Modular YAMAHA YSM20R SMT Placement Machine with 90,000 CPH and ±0.035mm Accuracy

Our Product Introduction

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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

High-Efficiency Modular Z:LEX YAMAHA YSM20R

The YAMAHA YSM20R is a high-end, high-efficiency modular mounter designed for modern SMT assembly. Engineered for high-mix, high-volume production environments, this machine offers exceptional speed, precision, and flexibility to meet the demanding requirements of today's surface mount technology industry.

Key Features & Specifications

High-Speed Placement: Up to 95,000 components per hour (CPH) under optimum conditions

Enhanced Accuracy: Placement accuracy of ±0.035mm (±0.025mm) Cpk≧1.0 (3σ)

Wide Component Range: Handles components from 0201mm to 55 x 100mm

Flexible Configurations: Modular design allows easy customization and expansion

Improved Component Adaptability: New wide-scan camera for accurate component recognition

Automatic Pin Support: Program-controlled automatic pin support

No Head Replacement Required: Single head handles 0201mm to large-size components

Optional Features: Enhanced line operating rate without machine stoppage

Applications

The YAMAHA YSM20R is ideal for diverse industries requiring precision SMT assembly:

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

Technical Specifications

Specification	Value
Maximum Placement Speed	95,000 CPH
Placement Accuracy	±0.035mm (±0.025mm) Cpk≧1.0 (3σ)
Component Size Range	0201mm to 55 x 100mm
Component Support	0201mm to large-size components without head replacement

Frequently Asked Questions

What is the placement speed of the YAMAHA YSM20R?

Maximum placement speed of 95,000 components per hour (CPH) under optimum conditions.

What is the placement accuracy?

Placement accuracy of ±0.035mm (±0.025mm) Cpk≧1.0 (3σ) under optimum conditions.

What is the smallest component size supported?

Components as small as 0201mm can be handled.

What are the key benefits?

High-speed placement, enhanced accuracy, wide component range, flexible configurations, and improved component adaptability.

The YAMAHA YSM20R modular mounter provides an efficient solution for high-volume SMT production, offering seamless integration into existing production lines with minimal disruption. Its versatile design makes it suitable for various printed circuit board assembly applications across multiple industries.