



High Speed YSM20 SMT Placement Machine with Dual Lane and 90,000 CPH Mounting Capability

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: YAMAHA
- Model Number: YSM20
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 150*200*160cm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Model: YSM20
- Applicable PCB: Dual Stage (X Axis 2-beam Specs.)
- 1 PCB Conveyance: L810 × W480 To L50 × W50
- 2 PCB Conveyance: L380 × W480 To L50 × W50
- Single Lane: L810 × W480 To L50 × W50
- Dual Lane: L810 × W230 To L50 × W50
- Mounting Capability X Axis: High-Speed Multi-purpose (HM) Head × 2 2-beam:
- Flexible Multi (FM) Head: 03015 To 55 × 55mm L100mm, Height 28mm Or Less
- Number Of Component Types Fixed Plate: Max. 140 Types (8mm Tape Feeder Conversion)
- Feeder Exchange Carriage: Max. 128 Types (8mm Tape Feeder Conversion)
- Tray: 30 Types (fixed Type), 10 Types (carriage Type)
- Power Supply: 3 Phase AC



More Images



Product Description

High Speed SMT Placement Machine Module Z:LEX YSM20 With Dual Lane

The Z:LEX YSM20 High-Speed Placement Machine Module represents a significant advancement in surface mount technology (SMT), delivering exceptional speed, precision, and flexibility for modern electronics manufacturing. As part of the YAMAHA YSM20 series, this modular solution is engineered to meet the rigorous demands of high-throughput production environments while offering seamless integration capabilities.

Key Features and Benefits

High-Speed Mounting: Achieves up to 90,000 components per hour (CPH) with the HM head, significantly boosting production throughput

Component Flexibility: Handles components from 03015mm to 55 x 55mm, with heights up to 28mm using the Flexible Multi (FM) head

Precision Accuracy: Mounting accuracy of $\pm 0.035\text{mm}$ ($\pm 0.025\text{mm}$) $Cpk \geq 1.0$ (3σ) ensures high-quality placement for dense electronic assemblies

Advanced Imaging: Wide-scan camera with side lighting enables high-speed recognition of small components and ball electrode parts like CSP and BGA

Versatile Configuration: Available in single-lane and dual-lane conveyor options with single and dual-stage configurations

Seamless Integration: Supports SEMI SMT-ELS communication standards and IoT/M2M systems for enhanced production line connectivity

Technical Specifications

PCB Compatibility	Single-lane: L810 x W490 to L50 x W50 Dual-stage with X-axis 2-beam: 1PCB conveyance: L810 x W490 to L50 x W50, 2PCB conveyance: L380 x W490 to L50 x W50
Feeder Capacity	Fixed plate: 140 types (8mm tape feeder conversion) Feeder carriage exchange: 128 types (8mm tape feeder conversion) Trays: 30 types (fixed), 10 types (carriage)
Power Requirements	3-Phase AC power supply (200/208/220/240/380/400/416V +/-10% 50/60Hz)
Air Supply	0.45MPa or more, clean and dry state
Dimensions	L 1,374 x W 1,857 x H 1,445mm
Weight	Approximately 2,050kg

Adaptability and Scalability

The modular design of the YAMAHA YSM20 enables easy customization and expansion to adapt to evolving production requirements. Optional features including FES carts for feeder setup and changeover further enhance operational versatility.

Note: The High-Efficiency Modular Z:LEX YSM20R is now a discontinued product, but remains relevant for existing operations and used equipment considerations.

Frequently Asked Questions

What is the maximum mounting speed of the Z:LEX YSM20?

The Z:LEX YSM20 can achieve a mounting speed of up to 90,000 CPH under optimum conditions with the HM head.

What is the component size range supported by the YAMAHA YSM20?

The YAMAHA YSM20 supports components ranging from 03015mm to 55 x 55mm, and up to 55 x 100 mm depending on the head configuration.

What are the power requirements for the YAMAHA YSM20?

The YAMAHA YSM20 requires a 3-Phase AC power supply (200/208/220/240/380/400/416V +/-10% 50/60Hz).

What PCB sizes can the YAMAHA YSM20 accommodate?

The YAMAHA YSM20 handles single-lane PCBs from L810 x W490 to L50 x W50 and dual-stage PCBs. With the X-axis 2-beam option, it supports 1PCB conveyance: L810 x W490 to L50 x W50 and 2PCB conveyance: L380 x W490 to L50 x W50.

What is a key feature that enhances component recognition?

The wide-scan camera supports high-speed mounting of small components and, with side lighting, enables rapid recognition of ball electrode components like CSP and BGA packages.

High-speed Placement Machine Module Z:LEX YSM20 | GSSMT, Yamaha YSM20, Yamaha YSM20 SMT Pick and Place Machine, YSM20 Yamaha, Yamaha SMT Pick and Place YSM20, Yamaha YSM20 specifications, Yamaha YSM20 price, Yamaha YSM20 for sale, Yamaha YSM20 manual, Yamaha YSM20 review, Yamaha YSM20 speed, Yamaha YSM20 components size, Yamaha YSM20 placement accuracy, Yamaha YSM20 feeder capacity, Yamaha YSM20 spare parts, Yamaha YSM20 maintenance, Yamaha YSM20 training, Yamaha Z:LEX YSM20, High-efficiency modular mouter YSM20, SMT machine Yamaha YSM20,

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