



Modular Design Yamaha YSM20 High-Speed SMT Pick and Place Machine with Component Flexibility and Mounting Accuracy

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

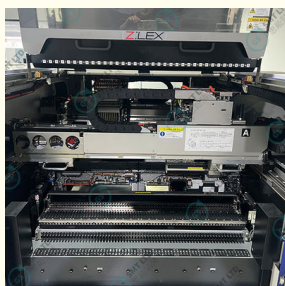


Product Specification

- 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 2-beam: High-Speed Multi-purpose (HM) Head × 2
- 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 Placement Machine Module Z:LEX YSM20 Used Original Dual Lane

Advanced SMT Module for Electronics Manufacturing

The Z:LEX YSM20 High-Speed Placement Machine Module delivers exceptional speed, accuracy, and flexibility for surface mount technology (SMT) production lines. As part of the Yamaha YSM20 series, this modular solution provides high throughput and seamless integration capabilities for modern electronics manufacturing.

Key Features and Benefits

High-Speed Mounting: Achieves up to 90,000 components per hour (CPH) with HM head configuration

Component Flexibility: Handles components from 03015mm to 55 x 55mm (up to 28mm height with FM head)

Precision Placement: $\pm 0.035\text{mm}$ ($\pm 0.025\text{mm}$) Cpk ≥ 1.0 (3σ) mounting accuracy for high-density assemblies

Advanced Imaging: Wide-scan camera supports high-speed mounting of parts up to 12mm with side lighting for BGA/CSP components

Versatile Configuration: Single-lane or dual-lane conveyor options with single/dual-stage PCB handling

Smart Integration: Supports SEMI SMT-ELS standards and IoT/M2M connectivity for production optimization

Technical Specifications

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

Product Image

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Frequently Asked Questions

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

The module achieves up to 90,000 CPH under optimum conditions with the HM head configuration.

What component sizes does the YSM20 support?

It handles components from 03015mm to 55 x 55mm (up to 55 x 100mm with certain heads).

What are the power requirements?

Requires 3-Phase AC power (200/208/220/240/380/400/416V $\pm 10\%$ 50/60Hz).

Note: The High-Efficiency Modular Z:LEX YSM20R is now discontinued but remains operational for existing users.

Yamaha YSM20, SMT Pick and Place Machine, YSM20 specifications, Yamaha SMT equipment, High-speed placement module, SMT manufacturing solutions, PCB assembly machine, Yamaha YSM20 components, YSM20 feeder capacity, SMT machine maintenance



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