



High Speed 55K CPH Samsung SM431 SMT Pick and Place Machine with Flight Vision Centering and Dual-Arm Y-Axis System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Samsung
- Model Number: SM431
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1350*1750*1550mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Model: SM431
- Centering Method: Flight Vision
- Positioning Speed: Chip 55K CPH (optimal Conditions)
- Positioning Range: Max.0402 ~12mm(Component Height H = 7mm)
- Mounting Accuracy: $\pm 50 @m \pm 3ip$
- PCB Size: Max.460mm(L)* 460mm(W)
- Number Of Shelves: 8*4mm 84pcs
- Operation System: Windows XP
- Power Consumption: MAX 5.0KVA
- Overall Dimension: L 1240×w 1660×h 1420 Mm
- Machine Weight: 1500KG
- SMT Components Range: Max.0402 12mm (H=7MM)
- Machine Size: 1240(L)*1660mm(D)*1420mm(H)
- Condition: Original New/Used Original



Product Description

High Speed Samsung Pick And Place Machine SMT Pick And Place System SM431

The Samsung SM431 Pick and Place Machine is a state-of-the-art solution designed for surface mount technology (SMT) applications. With impressive capabilities including high-speed placement and advanced image recognition systems, the SM431 is the preferred choice for manufacturers seeking to enhance production efficiency.

Key Specifications

Specification	Details
Maximum Placement Speed	55,000 components per hour (CPH)
Drive System	Dual-arm Y-axis dual servo drive system
Placement Heads	16 placement heads
Component Range	0402 mm chips to 12 mm ICs
Feeder Capacity	Up to 84 8mm feeders

Advanced Features

High-Speed Performance

Operating at speeds up to 55,000 CPH, the SM431 significantly reduces production time while maintaining exceptional accuracy, making it ideal for high-volume manufacturing environments.

Advanced Image Recognition

Equipped with a high-speed flight image recognition system that ensures precise component placement, reducing errors and improving overall production quality.

User-Friendly Operation

Features an LCD display for easy performance monitoring with front and rear operation capabilities, facilitating ease of use in various manufacturing setups.

Operational Efficiency

- Automatic mouth change device for efficient switching between component types
- High feeder capacity supporting diverse component ranges
- Safety covers to protect operators during operation
- Streamlined changeover processes for minimal downtime

Applications

- Consumer Electronics: Smartphones and consumer devices requiring high precision
- Automotive Components: Production of reliable automotive electronics
- Industrial Equipment: Manufacturing complex industrial systems with precise electronic components

Frequently Asked Questions

What is the maximum speed of the Samsung SM431?

The maximum speed is 55,000 components per hour under optimal conditions.

What types of components can be placed using the SM431?

The machine handles components ranging from 0402 mm chips to 12 mm ICs.

How many feeders can the SM431 accommodate?

It can hold up to 84 8mm feeders.

Does the SM431 have safety features?

Yes, it includes safety covers to protect operators during operation.

Is there an automatic changeover feature?

Yes, it features an automatic mouth change device for efficient switching between component types.

Samsung Pick and Place Machine High-Speed SMT Pick and Place System SM431 | GSSMT, Samsung SM431 Features, SM431 Placement Speed, Pick and Place Technology, Samsung SMT Solutions, Automated Assembly Machines, Electronics Manufacturing Equipment, High-Speed Pick and Place, SM431 Component Compatibility, Surface Mount Technology, Samsung Manufacturing Innovations, Dual-Arm Placement Systems, Efficient SMT Processes, SM431 User Interface, Advanced Image Recognition Systems, Industrial Automation Solutions, Electronic Component Assembly, Samsung Pick and Place Benefits, SMT Equipment Maintenance, Production Efficiency in Electronics, Samsung SM431 Reviews



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