



Samsung SM431 Pick and Place Machine 55K CPH SMT System

Our Product Introduction

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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: $\pm 50 @m+ 3ip$
- 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

Samsung Pick and Place Machine High Speed 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 its impressive capabilities including high-speed placement and advanced image recognition systems, the SM431 enhances production efficiency for manufacturers.

Key Specifications

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

Advanced Features

High-Speed Performance

The SM431 operates at speeds up to 55,000 CPH, significantly reducing production time while maintaining accuracy - critical for high-volume manufacturing environments.

Precision Imaging System

Equipped with high-speed flight image recognition technology for precise component placement, reducing errors and improving production quality.

Operator Convenience

Features an LCD display for easy monitoring with front and rear operation capability, designed for various manufacturing setups.

Operational Advantages

- Automatic mouth change device for efficient component switching
- Large feeder capacity supports diverse component loading
- Safety covers protect operators during operation
- Dual-arm system enhances placement efficiency

Industry Applications

The SM431's versatility makes it ideal for:

- Consumer electronics (smartphones, devices)
- Automotive electronics production
- Industrial equipment manufacturing

Frequently Asked Questions

What is the maximum speed of the Samsung SM431?

55,000 components per hour under optimal conditions.

What component sizes can the SM431 handle?

From 0402 mm chips to 12 mm ICs.

How many feeders does the SM431 support?

Up to 84 x 8mm feeders.

What safety features are included?

Protective covers for operator safety.

Does it have automatic changeover capability?

Yes, with an automatic mouth change device.

Related Keywords:

Samsung SM431 Features
Component Compatibility

Pick and Place Technology
Industrial Automation

SMT Solutions
Production Efficiency

Automated Assembly

Electronics Manufacturing

High-Speed Placement



Global Soul Limited



+8613728696610



liyi@gs-smt.com



smtmachine-spareparts.com

Room F3B-016, B Block, Hao Yun Lai Bussiness Building, Liutang road , Bao'an District , Shenzhen, China