

Siemens HF3 SMT Pick and Place Machine with 40000 CPH Speed, ± 60 Micron Accuracy, and Advanced Vision System

Our Product Introduction

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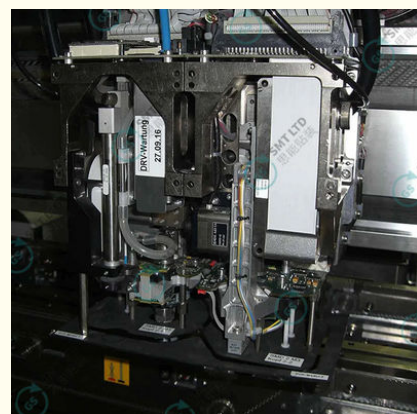
Basic Information

- Place of Origin: Germany
- Brand Name: ASM/SIEMENS
- Model Number: HF3
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 2100*3000*1800mm
- Delivery Time: 5-15 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- HF3 Material Station: 180
- HF3 Patch Head: 3 X-Y Axis Cantilevers
- HF3 Production Year: 2004-2006
- HF3 Placement Speed: 40000/H
- HF3 Placement Accuracy: ± 60 Micron Standard, ± 55 Micron DCA, $\pm 0.7^\circ/(4\sigma)$
- Condition: Original New/Used Original
- Highlight: HF3 Pick and Place Machine



More Images



Product Description

Siemens HF3 Pick and Place Machine

The Siemens HF3 Pick and Place Machine is a pivotal tool in surface mount technology (SMT), designed to streamline printed circuit board (PCB) assembly with exceptional speed, precision, and versatility for modern electronics manufacturing.

Key Performance Features

High-Speed Performance

Achieves theoretical speeds up to 40,000 components per hour (CPH) with practical operational speeds around 30,000 CPH for rapid production cycles.

Superior Placement Accuracy

Standard accuracy of ±60 microns with capability to reach ±55 microns under optimal conditions for complex electronic device assembly.

Versatile Component Handling

Mounts diverse components ranging from tiny 01005 chips to larger flip chips and CCGAs weighing up to 100 grams.

Flexible PCB Size Compatibility

Operation Mode	PCB Size Range
Single-Track Mode	50 mm x 50 mm to 610 mm x 508 mm
Dual-Track Mode	50 mm x 50 mm to 450 mm x 250 mm

Advanced Vision System

Equipped with 'Theta' camera technology for precise component orientation and placement with real-time feedback during assembly.

Operational Benefits

- Increased productivity through high-speed capabilities and minimal setup downtime
- Cost efficiency by reducing errors and rework through precise placement
- Enhanced quality control with real-time monitoring systems
- User-friendly interface for simplified operation and quick setup adaptation

Industry Applications

Electronics Manufacturing: Ideal for smartphones, tablets, and consumer electronics with high-density PCB assembly requirements.

Automotive Industry: Critical for producing circuit boards for vehicle sensors and infotainment systems.

Telecommunications: Essential for assembling high-density PCBs in routers and modems where precision and speed are paramount.

Frequently Asked Questions

What is the maximum speed of the Siemens HF3 Machine?

Maximum theoretical speed is up to 40,000 CPH with practical speeds around 30,000 CPH.

What types of components can the HF3 handle?

Handles components from small 01005 chip resistors to larger flip chips weighing up to 100 grams.

How accurate is component placement with the Siemens HF3?

Placement accuracy is ±60 microns standard and can reach ±55 microns under optimal conditions.

Is the Siemens HF3 suitable for low-volume production?

Yes, its versatility allows effective use for both low-volume and high-volume production runs.

What industries benefit from using the Siemens HF3?

Widely used in electronics manufacturing, automotive, telecommunications, and other sectors requiring high-speed assembly.

Conclusion

The Siemens HF3 Pick and Place Machine stands as a leader in SMT technology with exceptional speed, accuracy, and versatility, playing a

crucial role in the future of automated manufacturing solutions.

SMT Siemens HF3 Pick and Place Machine | GSSMT, Siemens HF3 Machine, High-Speed SMT Placement, Precision Component Assembly, Automated PCB Assembly, Electronics Manufacturing Equipment, SMT Production Solutions, Versatile Pick and Place Technology, High-Performance SMT Machines, PCB Size Compatibility, Component Mounting Accuracy, Advanced Vision Systems, Dual Lane Placement Technology, Flexible Manufacturing Systems, High-Volume Production Lines, Cost-Effective SMT Solutions, User-Friendly Interface, Real-Time Quality Control, Industry 4.0 Automation, Compact SMT Equipment, Component Range Specifications



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