



Samsung Pick And Place Machine Smart Hybrid SMT Mounter HANWHA SM485P

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Samsung
- Model Number: SM485P
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1750*1750*2100mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Alignment: 4 Small Fix Camera + 1 Wide Fix Camera
- The Number Of Spindles: 4 Spindles X 1 Gantry
- Placement Speed: 12,000 CPH (Optimum)
- Placement Accuracy Chip: $\pm 50 \mu\text{m}$ @ Cpk ≥ 1.0
- Placement Accuracy IC: $\pm 30 \mu\text{m}$ @ Cpk ≥ 1.0
- Component Range Small Fix Camera: 0603 ~ $\square 22 \text{ Mm}$
- Component Range Wide Fix Camera: $\sim \square 55 \text{ Mm}$, L150 Mm
- Component Range Max. Height: 32 Mm (Standard), 42 Mm (Special Order *)
- PCB Size (mm) Min.: L50 X W40
- PCB Size (mm) Max.: $\sim \text{L460 X W400}$ (Standard); $\sim \text{L460 X W280}$ (Option), $\sim \text{L460 X W340}$ (Option), $\sim \text{L610 X W460}$ (Option)
- PCB Thickness (mm): 0.38 ~ 4.2
- Feeder Capacity: 120 Fe/112 Fe (Docking Cart)



More Images



Product Description

Following the successful SM451, here comes the Hanwha SM485P.

A high precision multi-functional placement system equipped with four Force Control Precision Heads. The SM485P can place any component available to it. So be it radial through hole, flip chip, COB, POP, through hole connector, shield can or a Lego Man, the machine will do it.

Hard to pick parts by traditional vacuum nozzles are picked by gripper nozzle. As standard the machine will handle parts in height up to 32mm, however an option is available to handle up to 44mm.

The machine uses 4 small cameras where alignment is done on the fly and any large parts are aligned using the stage camera which will see components up to 150mm in length.

The machine is not designed for speed, but Odd form capability and flexibility. Below are just some features:

Features:

1. Gripper Nozzles for Connectors
2. Laser light for aligning pin and can shield components
3. Force Control Z-Axis of precision head
4. Through Hole Component Placement
5. Connector Placement
6. 0201 component recognition as standard
7. 120 x 8mm Feeder Capacity
8. High Accuracy $\pm 30\mu\text{m}@3\sigma/\text{QFP}$, $\pm 40\mu\text{m}@3\sigma/\text{Chip}$
9. Small Footprint of just 1650mm x 1690mm x 1485mm
10. 4.7KVA Max Power

Options:

1. Lifted Lead Check Sensor
2. Board Height sensor
3. Component Value Verifier (LCR Checker)
4. Intelligent Feeders
5. Multi Tray Feeders
6. SMART Feeders (Cut Strips)
7. Radial Feeder
8. Bowl Feeder

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