

Enhanced model from AP series Handler



Product Highlights

- 4-site (expandable up to 16 sockets) pick-and-place automated programming system!
- Throughput up to 1000 UPH
- Downward CCD camera for vision centering and Auto Teach
- High-speed upward CCD camera for placement alignment
- High-speed H9600 universal programmers
- Fully integrated subsystems with network-oriented JOB software
- Network-oriented JOB Windows software with USB interface
- Optional I/O media for tube and tape packages
- Available gang socket boards

Specifications

• Pick & Place System •

- ▶ Throughput: up to 1000 devices per hour
- ▶ Placement accuracy: $\pm 0.05\text{mm}$
- ▶ Placement repeatability: $\pm 0.03\text{mm}$
- ▶ Placement force: 95 grams
- ▶ Pick-and place method: single vacuum nozzle
- ▶ Component detection: vacuum sensor

• Physical Specifications •

- ▶ Dimension: 160(L) *90(W) *140(H) cm
(Display included) 63.0 *35.4 *55.1 inch
- ▶ Shipping dimension: 190(L)*120(W)*170(H) cm
(Options not included) 74.8 *47.2 *66.9 inch
- ▶ Net Weight: 550 kg (1210 lbs.)
- ▶ Shipping Weight: 650 kg (1430 lbs.)

• Drive Systems and Specifications •

- ▶ X-Y drive system: Servo motor drive system
- ▶ X axes resolution: 0.001mm
- ▶ Y axes resolution: 0.001mm
- ▶ X-Y axes repeatability: 0.010mm
- ▶ X-axis maximum velocity: 1500mm/sec
- ▶ Y-axis maximum velocity: 1500mm/sec
- ▶ Z-theta drive system: Servo motor
- ▶ Z axis resolution: 0.001mm
- ▶ Z axis repeatability: 0.020mm
- ▶ Z axis maximum velocity: 500mm/sec

• Alignment System •

- ▶ Upward camera:
IC dimension up to 35 x 35 mm
(for device position recognition.)
- ▶ Downward camera:
Region of Inspection 35 x 35 mm
(for sockets and I/O position teach)

• Programming System •

- ▶ Programming sites: 4 sites of H9600 Universal Programmers
- ▶ Devices supported: EPROM, EEPROM, Flash, PLD, CPLD, FPGA, Micro-controllers, Anti-Fuse and more.
- ▶ Packages supported: PLCC, TSOP, TSSOP, TQFP, PQFP, SOIC, SSOP, μBGA , CSP and more.
- ▶ Model H9600 RAM Buffer: 2 Gbits
- ▶ Communications: USB

• System Software •

- ▶ User interface: Windows-based HMI
- ▶ Operating system: Microsoft® XP or Windows 7

• Operating Requirements •

- ▶ Input voltage: 220/220/240, Single phase, 3-wires.
- ▶ Input line frequency: 50/60 Hz
- ▶ Power consumption: 0.8 KVA
- ▶ Air pressure: 75 to 95 PSI (0.4 to 0.6Mpa)
- ▶ Air flow: 100 liters/min (Peak)
- ▶ Operation temperature range: 15° to 30°C (59°-86°F)
- ▶ Relative humidity: 35-90%

• IO Media Subsystems •

- ▶ Tray In / Out: Manual Type

• Optional Subsystems •

- ▶ Tray In / Out: JEDEC trays up to 20 plates
- ▶ Tape In / Out: 8mm to 56mm
- ▶ Tube In /Out: SOIC8 to PLCC84
- ▶ Label Feeder: Hover Davis and more

• Regulatory Compliance •

- ▶ CE Compliant