



HCT-T100 Small SMT Pick & Place Machine

APPLICATION AREA: Proofing use & Laboratory use; Small batch production; University teaching use; R&D customization; Personal entrepreneurship; processing on giving materials; and etc.

Technical Parameters

Model		HCT-T100
Number of Heads 贴装头	Fixed Bottom Vision 固定视觉	4
Placement Rate 速度	Under the optimum condition 最优速度	5000CPH
	IPC9850 测试速度	4000CPH
Feeder Capacity 飞达料位	Front and Back 前后	18 Tape Feeders (Electric standard)
	Electric/Pneumatic Feeder Slots	18+25 Tape Feeders (Optional)
IC Tray Capacity IC 托盘	325 x 135mm	1



Component Alignment 原件校正		Vision Detection 视觉识别
Component Sizes 原件尺寸	Handled by Fixed Small Camera 固定小相机	Smallest: 0201 (inch)
		Largest: 30 x 30 (mm)
		Max. Length: 15mm
Resolution	X/Y Axis XY 轴	Ball Screw + Step-Servo Motor 滚珠丝杆+步进伺服电机
	Z Axis Z 轴	Step-Servo Motor 步进伺服马达
Rotation 旋转角度		0 to 360°
Placement Accuracy 贴片精度		±0.05mm
X-Y Repeatability 重复精度	Ball Screw 滚珠丝杆	±0.02mm
PCB Size 基板尺寸	Maximum 最大	L 300 x W 250mm
	Minimum 最小	L 50 x W 50mm
Programming 编程		Vision Teach-in 视觉编程
		Coordinates Import 坐标导入
Main Control 主控制		Industrial PC 工业电脑
Power 电源		AC 220V ±10% (50/60Hz, 1 phase)
		Max. 1.5KW
Air Pressure 供气		0.55-0.7MPa (5.6-7.1kgf/cm2)
External Dimension(mm) 尺寸	L x W x H	700 x 900 x 1300 mm
Mass 重量		Approximate 150kgs

Product Features

- Bottom Vision Alignment System.
- Fiducial recognition and coordinate correction.
- Conveyor system with SMEMA interface and automatic-width-control.
- Perfect for proofing of production.
- Optimized pick / place routing design, ensures precision.
- Works with different types of high-precision nozzle.



- Suit for variety of SMD components: resistors, capacitors, IC, SOP, QFP, QFN, SOT, etc.
- Using imported high precision ball screw, motor, solenoid valve, cable, etc., effectively improve the placement accuracy, stability.

Excellent Quality Hardware Support

Ball Screws	TBI (Taiwan)
Linear Guide	HIWIN (Taiwan)
Servo Motors & Drivers	HCFA (China)
Stepper Motors & Drivers	MOONS (China)
Cables & Tank Chain	IGUS (Germany)
Solenoid Value	CKD (Japan)
IPC	Independent Research & Development