

Raptor OF

Inline Odd-form Placement Equipment

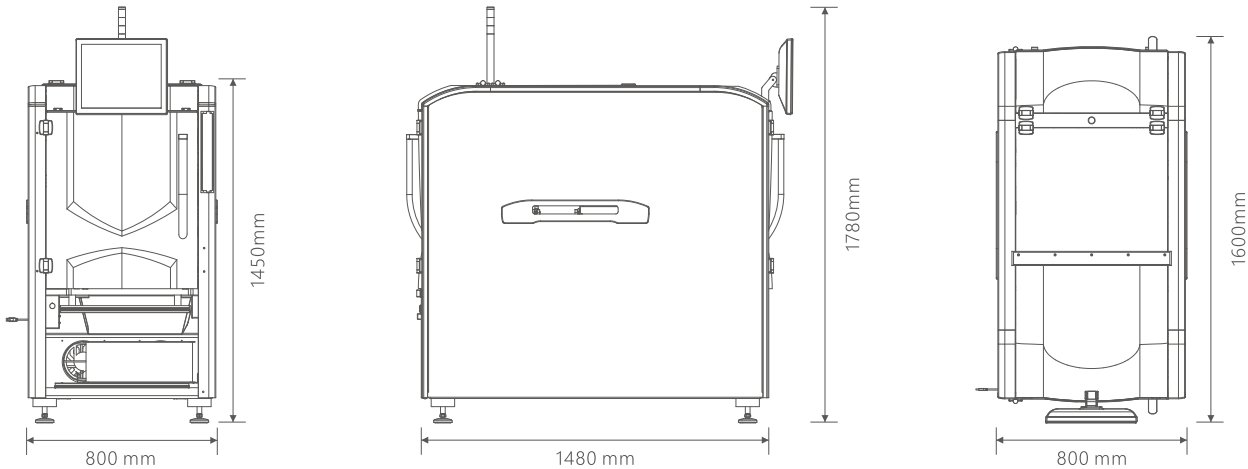


The cencorp Raptor is true high-volume machines designed for high-speed placement of small through-hole components, giving you an excellent return on investment.

The cencorp Raptor equipped with a fast dual head pick and place robot this machine will be an ideal work horse for the mass production lines. And it's capable of holding up to 6 feeders of all standard and custom feeder types offered by cencorp except tube feeders. Panels are supported from underneath to ensure a high quality process. Radial components can be preformed in the feeders to hold them in position in the panel without clinching.

With a maximum placement capacity of up to 5100 UPH, this machine sets a new standard in the through hole placement market.

TECHNICAL DATA



Basic Info Width: 800mm Depth: 1480mm Height: 1450mm Weight: 800kg	Motion System X-travel: 389mm Y-travel: 956mm Z-travel: 70mm W-travel: 285° Repeatability (X, Y): ±0.01mm Repeatability (W): ±0.01°	Vision System Camera Assist Teaching Multiple Vision Tools for the Fiducial Marks: Crossing Line/Circle/Rectangle Fiducial Mark Identification: <1s Correction of Component Position: Optional Correction of PCB Position: Optional
Basic Function Touch Screen Programmable Conveyor Width Adjustment PCB Stopper Pos: Programmable Component Presence and Collision Detection Component Pusher: High/Lower Force Manually changeable product specific support plate Dual Servo Gripper Automtic Finger Exchange Finger Slots Availabe: 6pcs Pneumatic Pusher Available Feeder Space: 480mm Feeder Ports: 6pcs Available Feeder Types: Axial, Radial, Horizontal Tube, Angular Tube, Tray, Bowl, Custom	Software Function Windows Operating System Standard User Interface MES Interface (Specified) User Access Management Diagnostic Tools Event Log Barcode Support: 1D/2D Cell monitoring System(CMS): Optional Automatic Program Exchange: Optional Specified Data Tracement: Optonal	Processing Capacity Min PCB Size(L*W): 50x50mm Max PCB Size(L*W): 310x300mm PCB Thickness: 0.8~3.2mm Max PCB Weight: 1.0kg Max Axis Speed: 2500mm/s Max Acceleration: 25000mm/s² Max Component Height: 30mm Gripper Movement: 18mm Cycle Time / Component: 0.62-1.2s Top Clearance: 40mm Bottom Clearance: 35mm Edge Clearance Top: 6mm Edge Clearance Bottom: 4mm Transfer Height: 900±20mm PCB Conveyor Type: 2 segments PCB Transfer Time: 3-5s Transfer Protocol: SMEMA PCB Transfer Flow: L->R Transfer Speed: Max 12m/min
Optional Function Pneumatic Finger Vacuum Nozzles PCB Transfer Flow: R->L Transfer Height: 950±25mm	Equipment Safety Machinery Safety: E-Stop/Safety Door Interlock Electrical Safety: ESD protection/Overload Protection	
Electrical Service Requirement Voltage: AC230V/50Hz Max Power: 1.5KW	Pneumatic Service Requirement Air Pressure: 5-7 bar Approx. Air Consumption: 100 L/min	Enviromental Requirement Operating Temperature: 10-40°C Operating Humidity: 30%-85%