

1500 OF

Inline Odd-form Placement Equipment

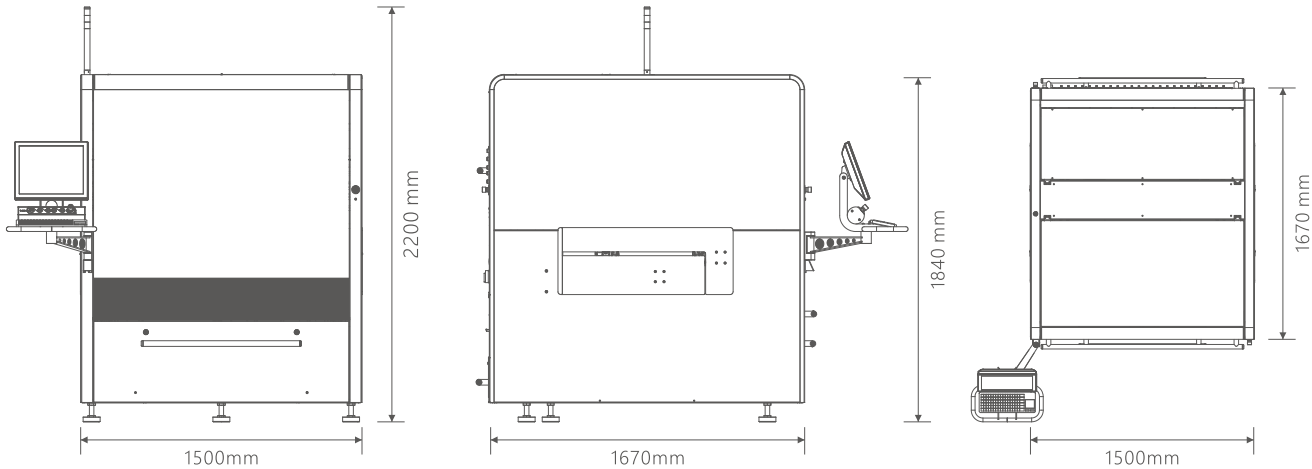


Cencorp 1500 OF represents the 3rd generation of our odd-form component placement machines. It is the best choice based on latest linear guides technology equipped with active clinching unit and huge feeder capacity.

Exchangeable feeders are available for axial, radial and tube feeders. All your existing PMJ or cencorp feeders will naturally be compatible.

Through extensive software options like on-line CAD import, MES connectivity and traceability, Flexible machine configuration with dynamic programming, it meets the toughest quality demands and fast product switch in electronics industry today.

TECHNICAL DATA



Basic Info

Width: 1500mm
Depth: 1670mm
Height: 1840mm
Weight: 2100kg

Motion System

X-travel: 1098mm
Y-travel: 1011mm
Z-travel: 180mm
W-travel: 360°
Repeatability (X, Y): ± 0.02 mm
Repeatability (Z): ± 0.05 mm
Repeatability (W): $\pm 0.05^\circ$

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
Visual Bad Board Detection: Optional

Basic Function

Touch Screen
Programmable Conveyor width Adjustment
PCB Stopper Pos: Programmable
Programmable Locking Pin Adjustment
Component Presence and Collision Detection
Component Pusher: High/Lower force
Servo Gripper
Automatic Finger Exchange
Finger Slots Available: 11+2(Tools)
Available Feeder Space: 1140mm
Feeder Ports: 24pcs
Available Feeder Types: Axial, Radial, Horizontal
tube, Angular tube, Tray,
Bowl, Custom

Processing Capacity

Min PCB Size(L*W): 55x55mm
Max PCB Size(L*W): 640x500mm (Long board mode)
Max PCB Size(L*W): 500x500mm (Common mode)
PCB Thickness: 1-5mm
Max PCB Weight: 6.1kg
Max Axis speed: 2500mm/s
Max Acceleration: 20000mm/s²
Max Component Weight: 100g
Max Component Size: 100x100mm
Gripper Movement: 26mm
Top Clearance: 60mm
Bottom Clearance: 40mm
Edge Clearance Top: 3mm
Edge Clearance Bottom: 5mm
Transfer Height: 900 \pm 25 mm
PCB Conveyor Type: 3 segments
PCB Transfer Time: 2-3s
Transfer Protocol: SMEMA
Transfer Speed: Max 12m/min

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
Offline Programming: Optional
Automatic Program Exchange: Optional
Specified Data Tracement: Optional
Local Data Management: Optional
Cell Statistics: Optional
Component Validation System: Optional
Automatic CAD Download: Optional

Optional Function

Dual Monitors
Active Clincher
Pneumatic Finger
Oversized component can be handled per request
Snap in Component Support

Equipment Safety

Machinery Safety: E-Stop/Safety door interlock
Electrical Safety: ESD protection/Overload
Protection

Electrical Service Requirement

Voltage: AC400V/50Hz
Max Power: 6KW

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%