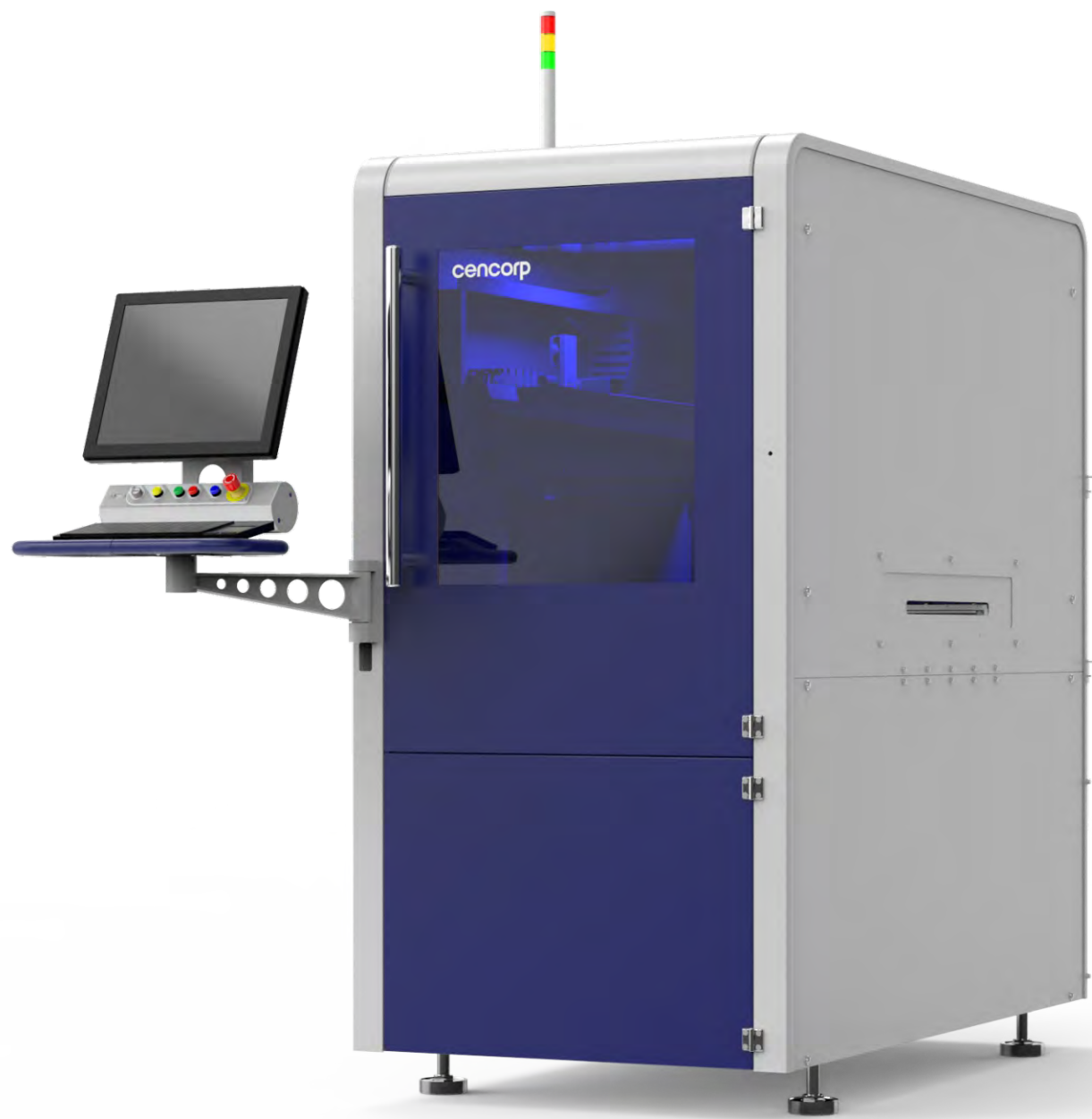


850 OF

Inline Odd-form Placement Equipment

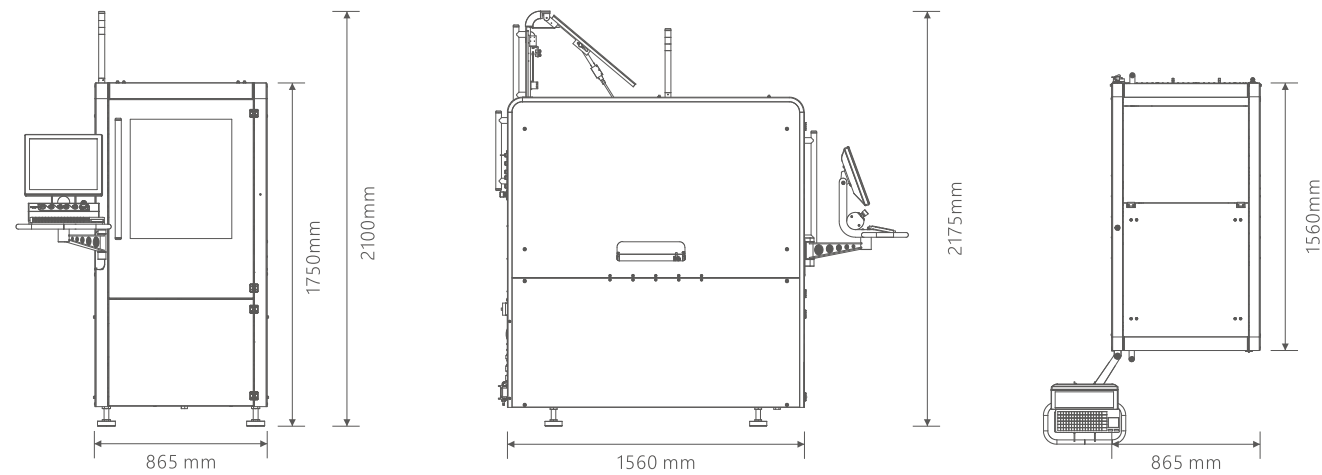


Cencorp 850 OF is equipped with a fast and flexible pick/place robot and a highly appreciated user interface, providing most cost-effective with small foot-print.

Cencorp 850 OF is capable to hold up to 8 feeders of standard and customized feeder types offered by cencorp. Panels are supported from underneath to ensure a high quality process. Component clinching can be done with specific support fixtures under the board.

It also provides extensive software options like on-line CAD import, MES connectivity and traceability,etc.

TECHNICAL DATA



Basic Info

Width: 865mm
Depth: 1560mm
Height: 1750mm
Weight: 1500kg

Motion System

X-travel: 500mm
Y-travel: 820mm
Z-travel: 80mm
Repeatability (X, Y, Z): ± 0.03 mm
Repeatability (W): $\pm 0.05^\circ$

Vision System

2 Camera Active Vision
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
Component Presence and Collision Detection
Component Pusher: High/Lower force
Universal Support Plate
Servo Gripper
Automatic Finger Exchange
Finger Slots Available: 3+1(tools)
Available Feeder Space: 500mm
Feeder Ports: 8pcs (60mm wide feeder)
Available Feeder Types: Axial, Radial, Horizontal
Tube, Angular Tube, Tray,
Bowl, Custom

Processing Capacity

Min PCB Size(L*W): 75x75mm
Max PCB Size(L*W): 400x350mm
PCB Thickness: 1-5mm
Max PCB Weight: 4kg
Max Axis Speed: 1500mm/s
Max Acceleration: 15000mm/s²
Max Component Weight: 100g
Max Component Size: 60x60x40mm
Gripper Movement: 22mm
Average Placement Speed: 1.4s/pcs
(With a 300mm pick & place cycle using tube components)
Top Clearance: 40mm
Bottom Clearance: 20mm
Edge Clearance top: 3mm
Edge Clearance bottom: 5mm
Transfer Height: 900 \pm 25 mm
PCB Conveyor Type: One segment
PCB Transfer Time: 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
Product Specific Support Plate with Clincher Feature

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%