

1300 BR

Inline Depaneling Equipment



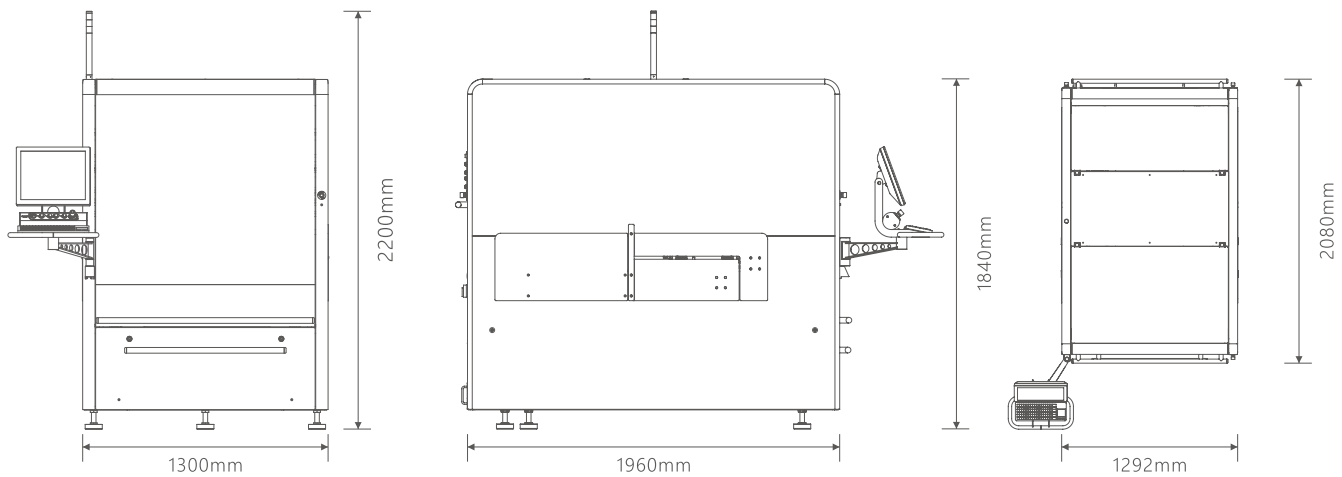
Cencorp 1300 BR has depaneling capability of high speed and high precision. It provides you solution with high efficiency, stabilization and low maintenance cost by equipped with linear motor.

Cencorp 1300 BR is designed for high volume mass-production. The fast product change-over can guarantee a high through-put and minimize production loss.

To fulfill the strict requirement of depaneling from customer, 1300 BR integrates dust cleaning and ionizer. Also, considering of user and service friendliness, 1300 BR is easy to access inside of the equipment from front and rear sides.

Cencorp 1300 BR is equipped with software that can generate daily production report easily. Our software also provides functions such as PCB quality verification, bit height & diameter verification, CAD file download, offline programming etc.

TECHNICAL DATA



Basic Info

Width: 1300mm
Depth: 1960mm
Height: 1840mm
Weight: 1800kg

Motion System

X-travel: 850mm
Y-travel: 1275mm
Z-travel: 160mm
Repeatability (X, Y, Z): ± 0.02 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
Routing Verification: Optional
Correction of PCB position: Optional
Repeatability: ± 0.03 mm

Basic Function

Programmable conveyor width adjustment
PCB Stopper Pos: Programmable
Programmable Locking Pin Adjustment
Automatic Bit Change
Routing Bit Storage: 10pcs
Servo Gripper
Gripping Verification
Automtic Finger Exchange
Automatic Gripping Width Adjustment
Tool Rack for Gripper Finger: 8postions
Broken Bit Detection
Touch Screen Controlling

Processing Capacity

Min PCB Size(L*W): 50x50mm
Max PCB Size(L*W): 500x400mm
PCB Thickness: 1-5mm
Max PCB Weight: 4kg
Top Clearance: 100mm
Bottom Clearance: 40mm
Max Axis Speed: 2500mm/s
Max Acceleration: 20000mm/s²
Max Spindle Speed: 50000 RPM
Routing Speed: 0-50 mm/s
Routing Accuracy: ± 0.1 mm
Transfer Height: 900 \pm 30mm
PCB Conveyor Type:2 Segments
Transfer protocol :SMEMA
Transfer Speed: Max 12m/min

Software Function

Windows Operating System
Standard User Interface
MES Interface (Specified)
User Access management
Vacuum Bag Life Tracking
Tool Life Tracking
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
Good / Bad Board Separation: Optional

Optional Function

Pnuematic Multi-gripper
External Vacuum System: Nilfisk / Ruvac/
Villo / Other

Dust Flow Control
Routing Bit Height Detection
Routing Bit Diameter Detection
Ionzer
Dual Monitors
Multi-phase Bit Usage

Equipment Safety

Machinery safety: E-Stop/Safety Door Interlock
Electrical safety: ESD Protection/Overload
Protection

Pneumatic Service Requirement

Air Pressure: 5-7 bar
Approx. Air consumption: 100 L/min

Electrical Service Requirement

Voltage: AC400V/50Hz
Max Power: 6KW

Enviromental Requirement

Operating Temperature: 10-40°C
Operating Humidity: 30%-85%