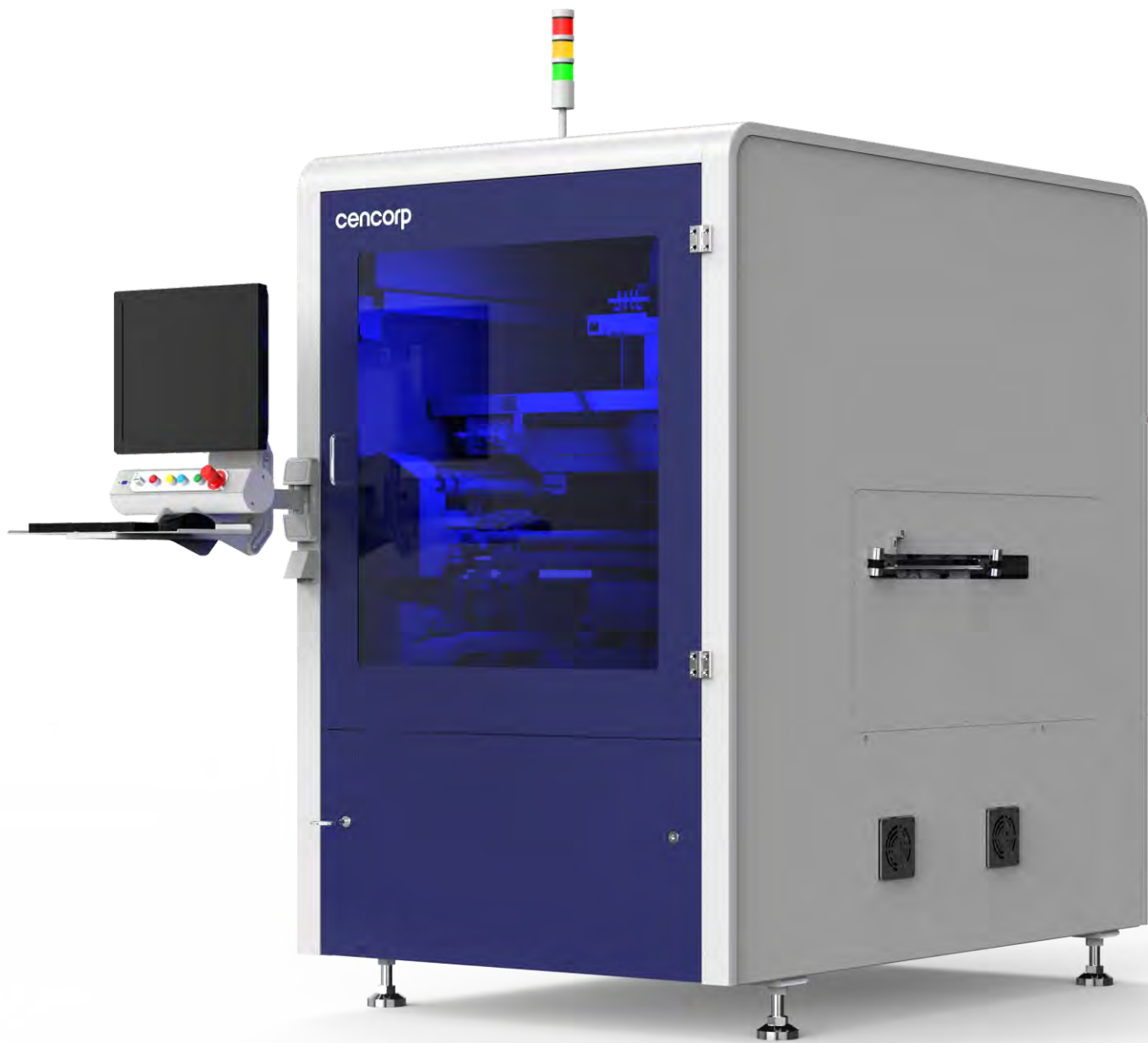


# 1000 IRC

Inline Depaneling Equipment



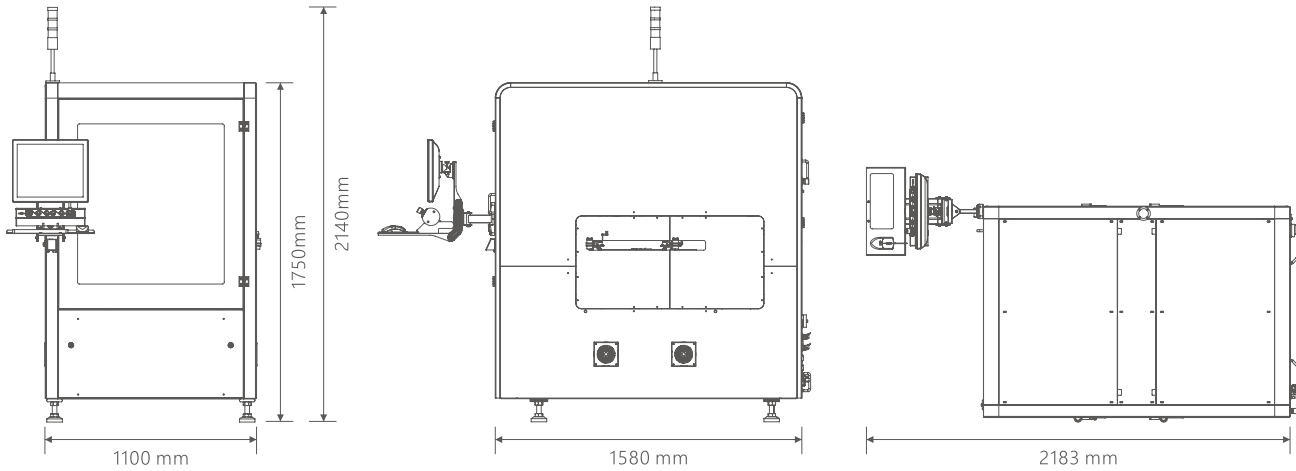
Cencorp 1000IRC is a basic inline PCB depaneling machine.

This machine is a better choice with streamline structure and proper software configuration for customers who has need of basic depaneling demand.

No manual operation or special tool necessary during changeover of production due to application such as autoamtic program change,servo gripper,etc. applied to ensure high efficiency and consistency of production just like the other inline depaneling machine of cencorp.

Cencorp 1000IRC can also meet some cusomized MES requirement to fulfill strict quality check for some customer.

## TECHNICAL DATA



### Basic Info

Weight: 1100mm  
Depth: 1580mm  
Height: 1750mm  
Weight: 1700kg

### Motion System

X-travel: 600mm  
Y-travel: 940mm  
Z-travel: 150mm  
W-travel: 360°  
Repeatability (X, Y, Z):  $\pm 0.03$  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  
Repeatability:  $\pm 0.01$ mm

### Basic Function

Programmable Conveyor Width Adjustment  
Programmable PCB stopper position  
Automatic Bit Change  
Broken Bit Verification  
Routing Bit Storage: 20pcs  
Servo Gripper  
Gripping Verification  
Automtic Finger Exchange  
Automatic Gripping Width Adjustment  
Tool Rack for Gripper Finger: 5 positions

### Processing Capacity

Min PCB Size (L\*W): 50x50mm  
Max PCB Size(L\*W): 450x350mm  
PCB Thickness: 1-5mm  
Top Clearance: 70mm  
Bottom Clearance: 20mm  
Max Axis Speed: 1500mm/s  
Max Spindle Speed: 50000 RPM  
Routing Speed: 0-50 mm/s  
Routing Accuracy:  $\pm 0.1$ mm  
Transfer Height:  $900 \pm 25$  mm  
PCB Conveyor Type: 2 Segments

### 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)  
Offline Programming: Optional

### Optional Function

Multi-gripper(Customized)  
External Vacuum System: UJEP / Villo / Other  
Dust Flow Control  
Routing Bit Height Verification  
Routing Bit Diameter Verification  
Lonzer  
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: AC220V/50Hz  
Max Power: 6KW

### Enviromental Requirement

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