

# 1300 LR

Laser Depaneling Equipment

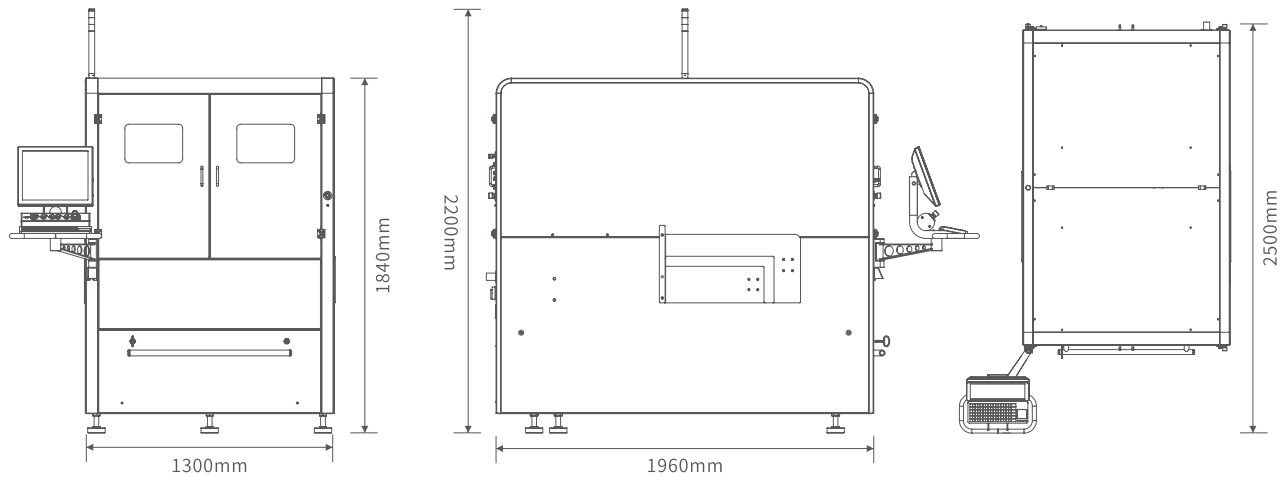


Laser Depaneling Equipment: Cencorp 1300 LR is mainly used in the FPC industries, providing users with simple, fast, consumable free, non-contact, high-precision cutting solutions of any shape. The maximum product processing size can reach 450 \* 350mm.

**Flexibility**  
Can be integrated into the SMT production line, and configuring the loading and unloading machine for offline production  
Adjustable track width

**Efficiency**  
Linear motor with fast speed  
Visual positioning

## TECHNICAL DATA



### Basic Information

Width: 1300mm  
Depth: 1960mm  
Height: 1840mm (Without Beacon)  
Height: 2200mm (With Beacon)  
Weight: 1800kg

### Basic Function

CCD Vision Precise Positioning  
Programmable Conveyor Width Adjustment  
Touch Panel Control

### Optional Function

Laser Marking  
External Smoke Purifier  
Laser Chiller

### Motion System

X-travel: 550mm  
Y-travel: 700mm  
Z-travel: 20mm  
Repeatability (X, Y, Z):  $\pm 0.02$  mm

### Processing Capacity

Min Carrier Size(L\*W): 100x100mm  
Max Carrier Size(L\*W): 500x400mm  
Max Product Size(L\*W): 450x350mm  
Product Thickness:  $< 0.5$  mm  
Cutting Laser Width:  $\leq 0.1$ mm  
Cutting Precision:  $\pm 0.05$ mm

### Laser System

Laser Type: UV Nanosecond Laser  
Wave Length: 355nm  
Output Power: 25W  
Pulse Width:  $< 15$ ns  
Beam Quality M2:  $< 1.3$   
Power Stability:  $\pm 2\%$   
Cooling Method: Water Cooling  
Scan Filed: 90°90mm  
Scan Speed:  $\leq 5000$ mm/s  
Scan Accuracy: 2 $\mu$ m  
Other: 532nm Green Nanosecond Laser  
355nm UV Picosecond Laser (Optional)

### Electrical Service Requirement

AC Voltage: 400VAC  
Frequency: 50Hz  
Max. Power: 3KW

### Pneumatic Service Requirement

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

### Vision System

Camera Assist Teaching  
Vision Tools For The Fiducial Marks:  
Crossing Line, Circle, Rectangle  
Fiducial Mark Identification:  $< 1$ s

### Software Function

Windows Operation System  
Standard User Interface  
MES Interface (Specified)  
User Access Management  
Galvanometer BOX Auto Calibration  
Support File Types: DXF, PLT, AI, DST, etc

### Equipment Safety

Machinery Safety: E-stop, Safety Door  
Interlock  
Electrical Safety: ESD protection,  
Overload protection,  
Leakage protection  
Laser Safety: Class 4

### Environmental Requirement

Operating Temperature: 10-40°C  
Operating Humidity: 30%-85%  
No Condensation