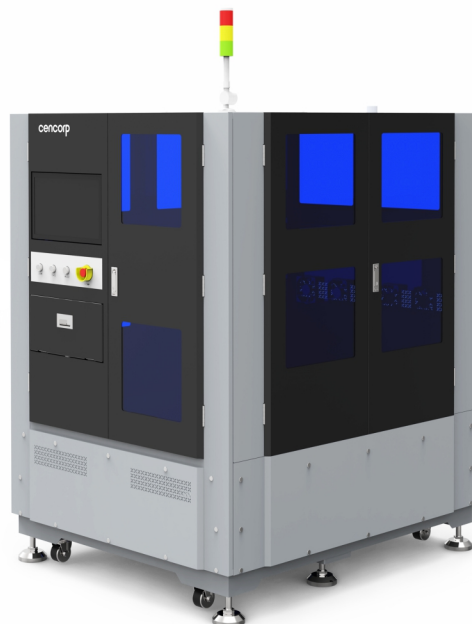


# 1300 LC FPC

Laser

## *High Precision FPC Laser Cutting Equipment*

The equipment is mainly used in FPC industry. Suitable for laser cutting of soft board FPC, Covering film, PI film, PET film, Copper foil and other film material.



### **High Quality Cutting Effect**

Adopting ultra-fast laser and high-precision galvanometer  
Fine focusing spot  
No carbonization at cutting edge  
Cutting surface is smooth and flat

### **High Precision Motion System**

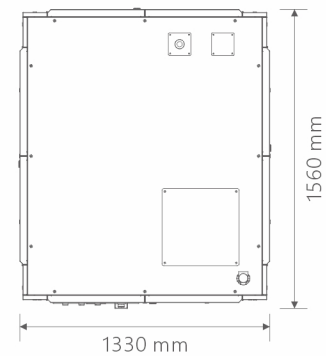
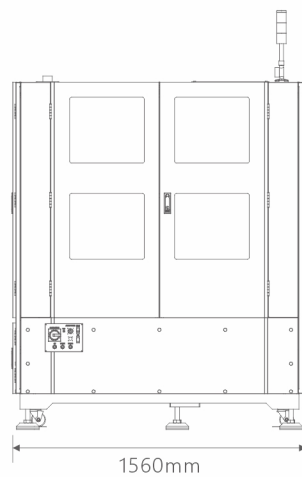
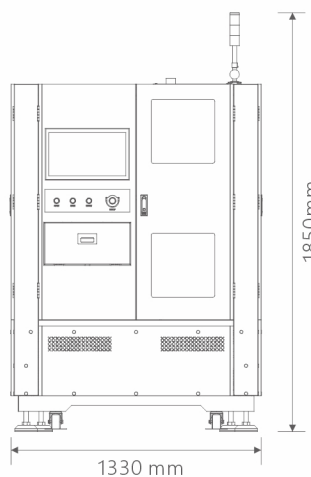
High-precision marble linear motor platform  
The repeatability of the platform is less than  $\pm 3\mu\text{m}$

### **Intelligent Control System**

Mature cutting control software  
Vision positioning  
Automatic focusing

# 1300 LC FPC

## Technical Data



### Machine Dimension

Width: 1330mm  
Depth: 1560mm  
Height: 1850mm  
Weight: 2500kg

### Motion System

X-travel: 500mm  
Y-travel: 400mm  
Z-travel: 100mm  
Repeatability (X, Y):  $\pm 0.003$  mm  
Repeatability (Z):  $\pm 0.01$  mm  
Max. Product Size (W\*L): 550x350mm

### Vision System

Vision Positioning  
Vision Inspection  
Repeatability:  $\pm 0.03$ mm

### Laser Core

Laser Type: UV Pico Laser  
UV Nano Laser (Optional)  
Laser Wavelength: 355nm  
Average Power: 15W/30W  
Frequency: 400KHz-1MHz  
Pulse Width: <10ps

### Laser Processing Software

Supported File Type: DXF, Gerber  
Automatic Calibration of Galvanometer  
Automatic Correction of Deformation,  
Expansion and Contraction of Product

### Optical System

Scan Field: 100x100mm@F160  
70x70mm@F100 (Optional)  
145x145mm@F210 (Optional)  
Scan Speed:  $\leq 7000$ mm/s@F160  
Min. Text Height: 0.2mm@F160

### Electrical Service Requirement

Voltage: AC220V/50Hz  
Max. Power Cons.: 2.2KW

### Pneumatic Service Requirement

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

### Environment Requirement

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