

LCR

BIG Laser Cutting Machine — Working Area 1900 X 1300 mm



Movable 5.7" Color LCD Touch Panel



Servo Motor Controller Module



Lens Socket Focus Module



Smooth Feeding Design



Twin Sloping Hopper Drawer



Wood Puzzle



Thin Metal Cutting



Up to 40mm Thick Acrylic Cutting



Thick MDF Board/Acrylic

Specifications

Model No.	LCR-280D	LCR-200R	LCR-400R
Laser Source	DC 280 Watt Sealed CO2 laser tube	RF 200 Watt Sealed CO2 laser tube	RF 400 Watt Sealed CO2 laser tube
Laser Tube Cooler	Water	Water	Water
Working Area (WxD)	1900 x 1300 mm (74.8" x 51.2")		
Net Weight	1200 kgs		
Max. Part size (WxD)	2200 x ∞ mm (86.6" x ∞")		
Overall Dimension (WxDxH)	2550 x 2100 x 1135 mm (100.4" x 82.7" x 44.7")		
Motorize Vertical Movement	50 mm (1.97")		
Motion Control	CNC commands (G, M code)		
PC Communication	RS-232 serial port with supplied cable		
Memory Buffer	2MB		
Focus Lens	5.0"		
Accuracy	±0.05mm		
Max. Cutting Speed	12M / Min		
Interface	5.7" Color LCD Touch Panel		
Cutting Pallet	Aluminum frame, minimizing damage of reflecting light		
Main Power Supply	1 Φ, 220VAC, 20Amp, 50/60Hz	1 Φ, 220VAC, 20Amp, 50/60Hz	1 Φ, 220VAC, 40Amp, 50/60Hz
Driver	EZLASER CAM (CUTTER) (Option) acceptable with DXF / HPGL / CNC code files		

Features & Benefits

1. **Big Working Area** : Suit to 1900 X 1300 mm thick material cutting.
2. **Non-Contact Auto Focus System** : Provide easy & convenient auto focus laser beam.
3. **Movable 5.7" Color LCD Touch Panel** : Convenient operation and provide multiple language support.
4. **Modularize Design** : Enable maintenance faster & easily.
5. **Lens Socket Design** : Convenient to exchange and maintain lens 2.5", 3.75" & 5".
6. **Twin Sloping Hopper Design** : Collect the cutting work pieces conveniently.
7. **Smooth Feeding Design** : Make material sheet feeding easily.
8. **Invisible Upper Exhaust** : Create simple & effective upper exhaust system.
9. **Sealed Laser Optic Path** : Ensure operating safety.
10. **Red Pointer** : Help user to locate the laser beam.
11. **Collecting Drawer** : Make product collection easily.
12. **CAM Software (Option)** : EZLASER CAM (CUTTER) provides special functions to make excellent product rapidly.

Facility Requirements

Host PC	Windows XP capable system
Air Assist	Compressor with Gas Tank to provide dry air, 20 Lit/min, 7kg/cm2 with 8mm diameter hose.
Exhaust System	Two exhaust blower (2HP), max. pressure 145mmAq, max. air flow 30m3/min with one 8" diameter hoses.
External Chiller	DI Water, 8000 BTU (280W DC) / 18000 BTU (200W RF) / 36000 BTU (400W RF), Cooling Capability : Flow rate > 5Lit / min

Options

1.	2.5" Focus Lens
2.	3.75" Focus Lens
3.	Beam Expander
4.	Exhaust Blower Assembly (2HP)
5.	Compressor (3HP)
6.	Steel Plate Cutting Table
7.	Tracer Module
8.	EZLASER CAM (CUTTER) Software

EZLASER