

LCD

DIE BOARD Laser Cutting Machine — Working Area 1250 X 1250 mm



Optical Path Compensation



LCD Touch Panel



Pass Through Design



Lens Socket Focus Module



Auto Focus Tracer (Option)



Removable Copper Pin (Option)



Die Board Cutting



MDF Board & Thick Acrylic



Thick Acrylic



Puzzle & Wooden Gift

Specifications

Model No.	LCD-280D	LCD-200R	LCD-400R
Laser Source	DC 280 Watt Sealed CO ₂ laser tube	RF 200 Watt Sealed CO ₂ laser tube	RF 400 Watt sealed CO ₂ laser tube
Laser Tube Cooler	Water	Water	Water
Net Weight	1100 kgs	1180 kgs	1200 kgs
Working Area (WxD)	1250x1250mm (49.2"x49.2")		1250x1100 mm (49.2"x43.3")
Max. Part Size (WxDxT)	1500 x 1500 x 50 mm (59" x 59" x 2")		
Overall Dimension (WxDxH)	2100 x 2150 x 1225 mm (82.7" x 84.6" x 48.2")		
Motion Control	CNC commands (G, M code)		
PC Communication	RS-232 serial port with supplied cable		
Memory Buffer	32K Words		
Focus Lens	5.0"		
Max. Speed	Up to 16 M/min traversing, 5 M/min cutting		
Laser Power Control	Digital laser power control with automatic propotional pulsing and color linked		
Cutting Pallet	Aluminum frame		
Main Power Supply	DC 200 Watt (1 Φ, 220VAC, 25Amp, 50/60Hz) RF 200 Watt (1 Φ, 220/380VAC, 15Amp, 50/60Hz) RF 400 Watt (1 Φ, 220/380VAC, 15Amp, 50/60Hz)		
Laser Power Supply	DC 200 Watt (Null) RF 200 Watt (1 Φ, 220VAC, 20Amp, 50/60Hz) RF 400 Watt (3 Φ, 220VAC, 20Amp, 50/60Hz)		
Cooling System Power	DC 200 Watt (1 Φ, 220VAC, 10Amp, 50/60Hz) RF 200 Watt (1 Φ, 220/380VAC, 15Amp, 50/60Hz) RF 400 Watt (1 Φ, 220/380VAC, 20Amp, 50/60Hz)		
Laser Power Control Driver	Support structure made of aluminum, minimizing damage of the reflecting light EZLASER DRIVER (CUTTER) (Standard)		
CAM Software	EZLASER CAM (CUTTER) (Option) acceptable with DXF / HPGL / CNC code files		

Facility Requirements

Host PC	Windows XP capable system
Air-Assist	Compressor with Gas Tank to provide dry air, 20 Lit/min, 7kg/cm ² with 8mm diameter hose.
Exhaust System	Exhaust blower (2HP), max. pressure 145mmAq, max. air flow 30m ³ /min with one 8"diameter hoses.
External Chiller	DI Water, 8000BTU(280D) / 18000BTU(200R) / 36000BTU(400R), Cooling Capability : Flow Rate > 5Lit/min

Options

1.	Exhaust Blower Assembly (2HP)
2.	Compressor (2HP)
3.	Copper Pin
4.	EZLASER CAM (CUTTER) Software

Features & Benefits

- Optical Path Compensation** : Design to make equally excellent cutting quality all over whole working area.
- LCD Touch Panel** : Operate & modify parameters more convenient.
- Pass Through Design** : Enable continue feeding material front to rear (1500mm width).
- Lens Socket Focus Module** : Exchange & maintain lens more convenient.
- Auto Focus Tracer (Option)** : Trace material surface to keep accurate focus distance for excellent cutting performance.
- Removable Copper Pin (Option)** : Minimize damage of reflecting laser light.
- Magnetic Linear Scalar** : Enable excellent motion calibration to get positional accuracy within ±0.05mm.
- Modularize Design** : Enable maintenance cheaper, faster & easily.
- CAM Software (Option)** : EZLASER CAM (CUTTER) provides special functions to make excellent product rapidly.

EZLASER