

# EZLASER

LaserLife Guaranteed

## LCD

### LASER CUTTING SYSTEM



5.7" touch panel

## Strong, Stable, Smooth Operation

- Magnetic linear scalar helps calibration of motions and gets an accurate position at +/- 0.05%.
- EZ-CUT II software (option) has a wide cut width for die-board produced easily.
- Path order functions with both automatic and manual.
- Good control over a 90 degree corner.
- Durable A.C. Servo motor enhance high-speed motion control.
- Well sealed focusing unit to allow fine tuning over assist-air.
- Modular design assures easy maintenance.
- Easy operation with EZ-CUT II Software, which includes:
  1. Off-set a drawing and generate envelop of it to form a new drawing, which made a wide cut width for die-board.
  2. CAM software works with most popular Windows based software such as AutoCAD.

### Specifications

| Model No.                 | LCD-200D  | LCD-200R                                      | LCD-400R                                      |
|---------------------------|---|---|---|
| Laser Source              | DC 200 watt Sealed CO <sub>2</sub> laser tube   | RF 200 watt Sealed CO <sub>2</sub> laser tube | RF 400 watt Sealed CO <sub>2</sub> laser tube |
| Laser Tube Cooler         | Water   | Water   | Water   |
| Weight(Net)               | 1100 kgs  | 1180 kgs                                      | 1200kg  |
| Working Area(WxD)         | 1250x1250mm(49.2"x49.2")  |   | 1250x1100mm(49.2"x43.3")                      |
| Maximum Part Size(WxDxT)  | 1500x1500x50mm(57.5"x57.5"x2")  |   |   |
| Overall Dimensions(WxDxH) | 2100x2150x1225mm(82.7"x84.6"x48.2")   |   |   |
| Motion Control            | CNC commands (G,M code)   |   |   |
| PC Communication          | RS-232 serial port with supplied cable  |   |   |
| Memory Buffer             | 32K Words   |   |   |
| Focus Lens                | 5.0"  |   |   |
| Speed (Max)               | Up to 16 M/min traversing, 5 M/min cutting  |   |   |
| Laser Power Control       | Digital laser power control with automatic proportional pulsing and color linked  |   |   |
| Cutting Pallet            | Steel structure with removable copper needle  |   |   |
| Main Power Supply         | DC 200W (Single phase, 220V, 15 Amp, 50/60Hz)<br>RF 200W (Single phase, 220V, 15 Amp, 50/60Hz)<br>RF 400W (Single phase, 220V, 32 Amp, 50/60Hz) |   |   |
| Laser Power Supply        | DC 200W ( Null)<br>RF 200W (Single phase, 220V, 20 Amp)<br>RF 400W (Three phase, 220V, 20 Amp)  |   |   |
| Cooling System            | DC 200W (Single phase, 220V, 10 Amp, 50/60Hz)<br>RF 200W (Three phase, 220V, 15 Amp, 50/60Hz)<br>RF 400W (Three phase, 220V, 15 Amp, 50/60Hz)   |   |   |
| Driver                    | EZ-CUTTER (Standard)  |   |   |
| CAM Software              | EZ-CUT II(Optional) Acceptable DXF/HPGL/CNC code files  |   |   |

### Facility Requirements

|                  |  |
|------------------|--|
| Host PC          | Windows XP capable system  |
| Assist-Air       | Gas tank or Compressor to provide dry air, 20Lit/min, 5 Bar, with 8mm diameter hose                                  |
| External Chiller | DI water, 8000 BTU(200W D.C.) ; 18000 BTU (200W R.F.); 36000 BTU (400W R.F.) cooling capability, Flow rate> 5Lit/min |
| Exhaust System   | One exhaust blower (1HP), Pressure 50mmAq, Air flow 25m <sup>3</sup> /min , with one 8" diameterhose                 |

### Applications

|                     |                          |
|---------------------|--------------------------|
| Acrylic Display     | Marquetry                |
| Decorations         | Die Board                |
| Signs               | Embroidery and Textile   |
| Gaskets             | Router Template Stencils |
| Architecture models | Plastic Fabrication      |
| 2D Prototypes       | Photo Frame              |

Die-board cutting



MDF board/ thick acrylic cutting



Puzzles/ thicker materials cutting



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