



**Applicable Materials:**

wood, bamboo, jade, marble, organic glass, crystal, plastic, garments, paper, leather, rubber, ceramic, glass and other nonmetal materials.

**Applicable industries:**

advertisement, arts and crafts, leather, toys, garments, model, building upholstery, computerized embroidery and clipping, packaging and paper industry.

**Laser machine parameter:**

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Model                    | RD-1390                                                                 |
| Engraving Area           | 1300x900MM(X 1300 Y900)                                                 |
| Machine size             | 1800x1400x1000mm                                                        |
| Cutting Speed            | 0-18000mm/min                                                           |
| Engraving Speed          | 0-64000mm/min(stepless speed regulating)                                |
| Laser Tube Power         | <b>80w/120w/150w optiona</b>                                            |
| Natural Life Of Laser    | 3-9 month for different power                                           |
| Laser wave length        | 10.6um                                                                  |
| Resolution Ratio         | 0.025mm                                                                 |
| Minimum Shaping          | Chinese character 2mm/letter 1mm                                        |
| Resetting Positioning    | ±0.01mm                                                                 |
| Voltage                  | Ac220v±10%,50HZ/60HZ                                                    |
| Operating                | 0°C-45°C                                                                |
| Operating Humidity       | 5%-95%                                                                  |
| Graphic Format Supported | BMP,HPGL(PLT),DXF,G-CODE,DST,AutoCAD, CoralDraw, CAD CAM, AI, Photoshop |
| Software Supported       | CoralDraw, AutoCAD,Photoshop. Illustrator etc                           |
| Lens                     | imported reflect lens(3pcs)+focus lens(1pcs)                            |

|                       |                                            |
|-----------------------|--------------------------------------------|
| Guide Rail            | <b>high quality tanwan hiwin guiderail</b> |
| Driver Type           | <b>leadshine stepmotor</b>                 |
| Cutting Table         | aluminium slot or honey comb               |
| Cooling System        | 3000 or 5200 chiller (Industrial Chiller)  |
| Software              | Ruida control system 8.0.23                |
| Operate System        | Win98/Win2000/WinXP/Win 7/Vista            |
| Interface             | LCS screen with USB interface              |
| Max Cutting Thickness | ≤30mm                                      |
| Pass Through Doors    | Allow to cut extremely long materials      |
| Packing               | Polywood case for export standard          |
| Assistant Equipment   | Exhaust-fan, air pump, industry chiller    |
| Produce time          | 7days                                      |
| CBM/GW                | 4.5M3/4000KG                               |

**Laser machine feature as below:**

- 1.Heavy machine body and protect rust.
- 2.Lens and mirrors(Znse materials lens, Mo materials mirrors, easy to clean)
- 4.yongli or reci brand laser tube(Good beam mode, 8000~10000 hours lifetime.)
- 5..Mirror mount(Easily re-adjusting mirror mounts)
- 6.High quality high power co2 laser power supply
7. High speed leadshine Step motor&driver (Working steadily and with high move accuracy)
- 8.High quality import guide rails(Keep the engraving/cutting precise and very durable.
9. High quality durable belt
10. DSP System LCD panel  
Set speed, power, and more directly from the LCD panel.
- 11.RUIDA controller systems 8.0.23 version
- 12.High quality industry water chiller.when the water pump not working protect laser tube.

**Laser Machine Fuction:**

- 1>: supporting offline work. There is USB interface on the panel,so it support U disk,very convenient. uses USB port and USB flash disk to transmit data, improving working speed and efficiency greatly.
- 2>: With the function of restoring from power off,continuation on break point.
- 3>: Emergency stop(Turn off the machine immediately when there is an accident)
- 4>: two kinds of worktable as choice : Aluminum knife table for hard material like wood,acrylic, helping small cutted pieces fall off; and honeycomb worktable for soft material like leather, cloth,to keep the material as flat as possible,ensuring cutting effect. If you work on both hard and soft material,we can make the table with double use.
- 5>: Material length can unlimited extend .
- 6>: Open protection function: the equipment is high sensitivity of the protection system, when equipment clamshell didn't close, laser machine automatically stop working, and effectively protect the safety of operation
- 7>: Color layer setting(Change the working speeds and power by using color settings.)
- 8>: Support design software, Photoshop, AutoCAD and other direct output

**Optional accessories:**

- 1) Motorized up and down worktable(used to engrave thick materials). Control the table up/down from LCD panel ( Z axis)directly
- 2) Rotary (for engraving round items).

- 3) Red dot will help position the laser,protecting operator.
- 4)Work table for honeycomb and Aluminum knife table option.
- 5)Small power chiller and big power chiller option

**Standard accessories:**

- 1) 1× Air pump for Air Assist ( for blowing off debris as the laser engrave or cut)
- 2) 1× Exhaust fans with Tube ducts (install inside machine)
- 3) 1× Water pump/Industrial chiller
- 4) 1× USB Cable (connecting PC and laser)
- 5) 1× DVD (including software, user manual, guiding videos etc)
- 6) 2× Power cables
- 7) 1× Tool box

**Warranty&After-sales Service:**

1. Warranty for 1 year for the whole machine(excluded consumable parts).
2. Response within 24 hour by email or calls.
3. User-friendly English manual and CD for machine usage and operation.