

CO2 LASER METAL & NON-METAL CUTTING MACHINE

BCL-XM

World brand

Swiss design

2 Years warranty

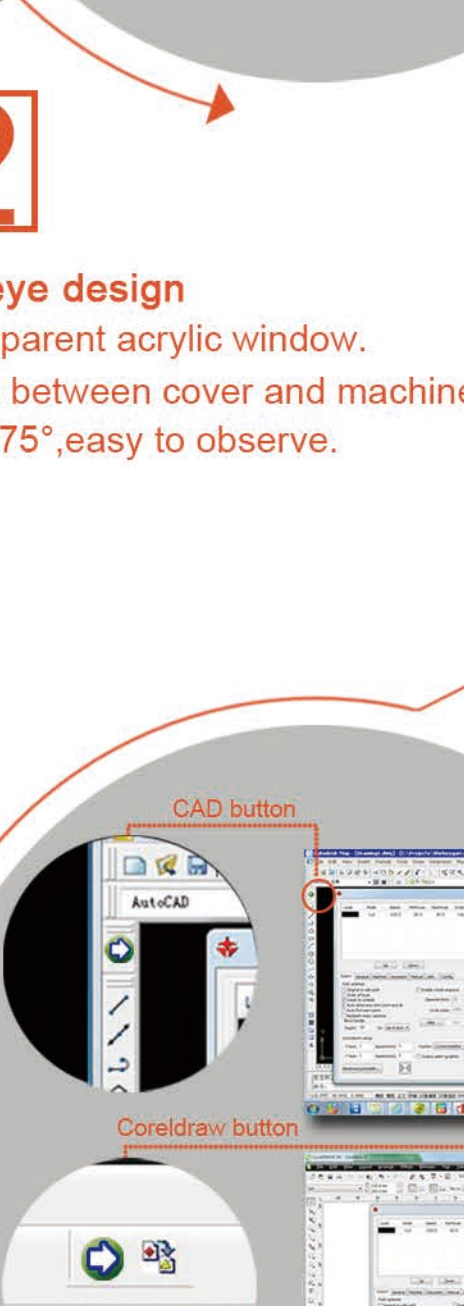
Honors

Multi-language service

PRODUCT INTRODUCTION



Working principle



1 Total 5 pcs reflection mirrors ensure stable light path

2 Z axis with auto-focus function Screw transmission

2 years warranty, stable cutting quality with comprehensive cutting application: able to cut both metal and nonmetal materials.

DETAILS INTRODUCTION

- 01** Non-contact height-adjusting configuration enables to cut almost all materials with lowest cost.

02 Working table: Open blade with special treated material, durable and operated easily, suitable for all kinds of hard materials.

03 Steady chassis: ensure stability and precision during high speed work.
- 04** Moving system adopts Taiwan HIWIN linear guide and precision gear, matched up with advanced DSP-controlled 3-phase stepper motor to ensure the working accuracy

05 High efficiency tube with stable laser path, life time more than 10000 hours.
- 1** **WiFi control**
Convenient - Wireless control
High efficiency - One PC can control more sets machines
- 2** **Big eye design**
Transparent acrylic window.
Angle between cover and machine up to 75°, easy to observe.
- 3** **Coreldraw&CAD control directly**
Advanced working software which can be embedded into Coreldraw and CAD, User can operate the machine by Coreldraw or CAD software directly.
- 4** **Constant laser light path, ensure perfect cutting effect**
laser tube sit on and move together with the transom of X axis, ensure the constant laser output power.
- 5** **Constant laser light path, ensure perfect cutting effect**
No matter which position the cutting head is, the transmission distance of laser light from laser tube to surface of material is constant.
- 6** **Accessory devices independent control**
- 7** **Belt made in Taiwan**
- 8** **LED light**
Energy efficiency
High brightness
Long life time
- 9** **Control Panel**
Show the working process directly convenient to check
- 10** **Japan Omron Electronic components**
- 11** **Aluminum alloy buttons**
- 12** **Adjustable laser tube holders**
Easy to install 40-90W laser tubes.
- 13** **High-precision 3-phase step motor driver**
- 14** **Amperemeter**
- 15** **Taiwan Square Rail**
-- High speed and precision
-- High load capacity and rigidity
- 16** **All screws are made by stainless steel**
- 17** **Door Sensor Interlock**

OPTION

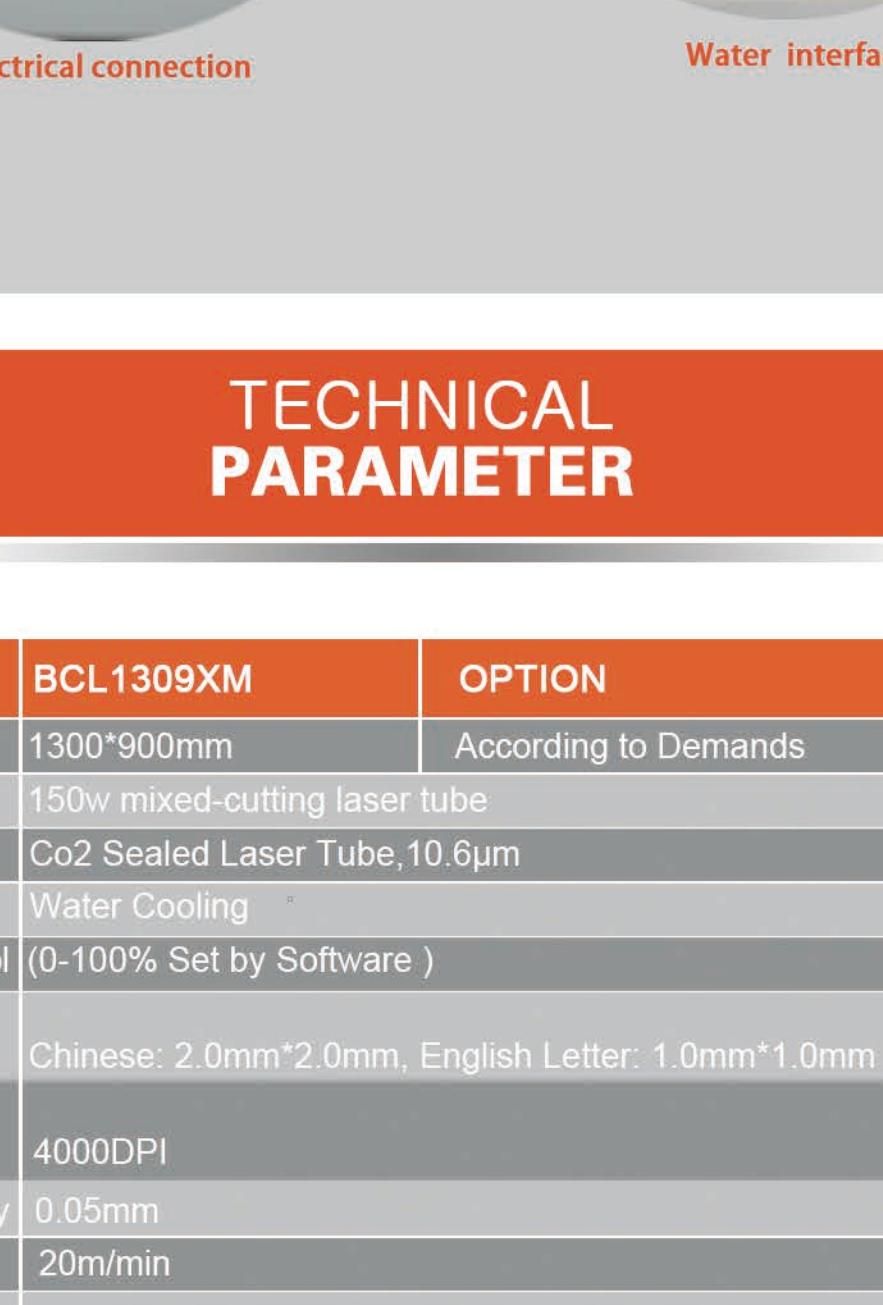
Honeycomb worktable

Rotary device

Up&down table

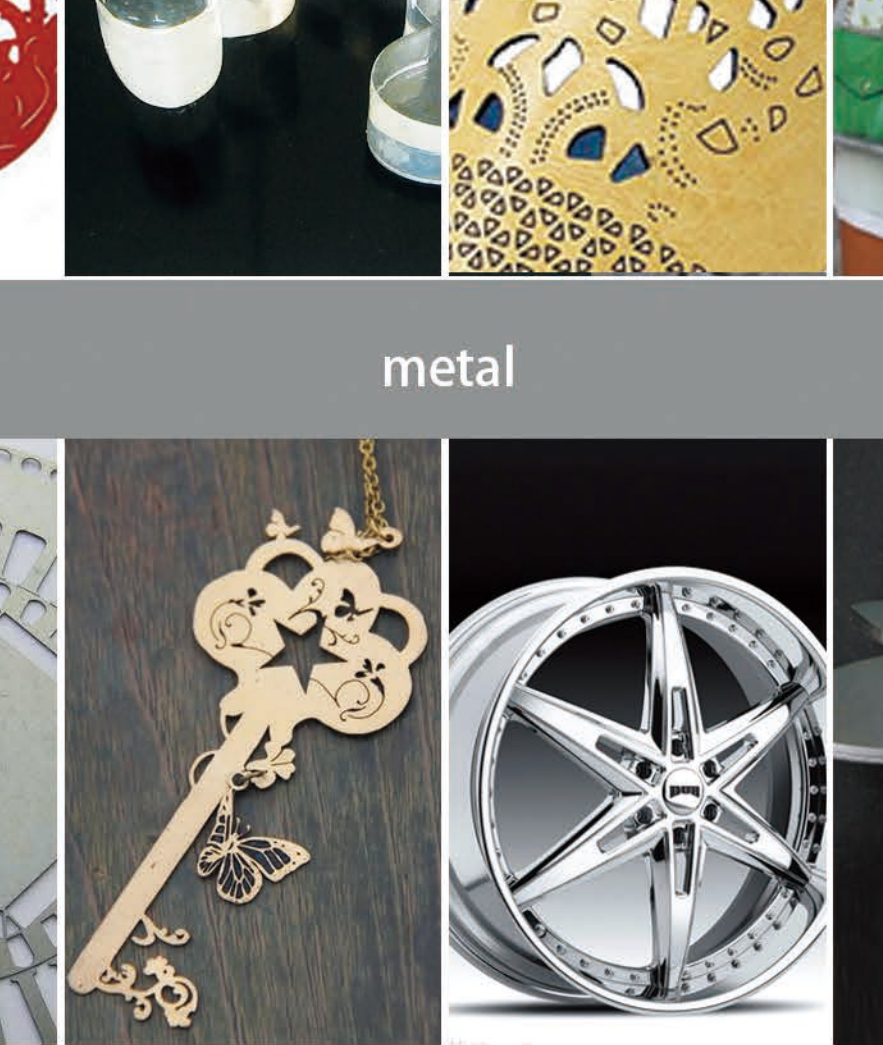
SIDE PHOTO SHOW

1. Back open to put the long material through



SIDE PHOTO SHOW

2. The water pipes and electric wires are separated to protect the electric components from water.



TECHNICAL PARAMETER

| MODEL | BCL1309XM | OPTION |
|------------------------------|---|----------------------|
| Working Area | 1300*900mm | According to Demands |
| Laser Power | 150W mixed-cutting laser tube | |
| Laser Type | Co2 Sealed Laser Tube, 10.6µm | |
| Cooling Type | Water Cooling | |
| Laser Output Control | (0-100% Set by Software) | |
| Smallest Character Engraving | Chinese: 2.0mm*2.0mm, English Letter: 1.0mm*1.0mm | |
| Highest Scanning Precision | 4000DPI | |
| Positioning Accuracy | 0.05mm | |
| Positioning Speed | 20m/min | |
| Max. Cutting Thickness | 40mm | |
| Max. Cutting Speed | 20m/min | |
| Controlling Software | DSP Control System | |
| Graphic Format Supported | DST PLT BMP DXF DWG AI LAS, etc | |
| Compatible Software | TAJIMA CORELDRAW, PHOTOSHOP, AUTOCAD, All type of AUTOCAD software etc. | |
| Color Separation | Yes | |
| Power Supply | AC110V/220V+10% 50HZ/60HZ | |

SAMPLES SHOW

