

Mini laser Engraving & Cutting Machine (BCL-M Series)



Machine configuration:

- USA focus lens and reflector mirrors.
- High-efficiency & long-life laser tube
- High precision 3-phase stepper motor.
- Advanced DSP control system Taiwan.
- High-precision linear guide rail.
- Up down table (optional) Germany ball screw (for Up down table)

Product description:

- BCL-M Series Mini laser engraving & cutting machine adopts new-style high- efficiency laser tube, the laser beam is more stable than the ordinary type, and the laser tube of 40W-60W can be used more than 3000 hours!

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BEYOND LASER

CNC Cutting Technology S.A.

- Compared with the ordinary laser engraver, BCL-M Series adopts more scientific design and high-strength steel frame, which increase the fuselage strength more than 40% to prevent the machine from distortion during long term work.
- The small and modern appearance allows you to place it on table and engrave the product easily; its function is not inferior to any large-scale laser-engraving machine.
- Advanced DSP control system, professional motion control chip, consecutive high-speed curve cutting and the shortest path selection function improve the working efficiency.
- All the machines are equipped with USB offline control system, which makes the operation more convenient and faster.

Technical Index:

- Model BCL0305
- Working area 300*500mm
- Laser power 40w
- Laser type CO2 Sealed laser tube, 10.6 μ m
- Laser life: Aprox. 4000hours
- Cooling type Water cooling
- Engraving speed 0-60000mm/min
- Cutting speed 0-40000mm/min
- Laser output control 0-100% set by software
- Min. engraving size Chinese: 2.0mm*2.0mm, English letter: 1.0mm*1.0mm
- Highest scanning precision 4000DPI
- Locating accuracy $\leq +0.01$ mm
- Controlling software: DSP control system
- Graphic format supported DST PLT BMP DXF DWG AI LAS,etc
- Compatible software CORELDRAW, PHOTOSHOP, AUTOCAD, TAJIMA,etc.
- Color separation: Yes
- Drive system High-precision 3-phase stepper motor
- Auxiliary equipments Exhaust fan and air exhaust pipe
- Power supply AC110V/220V+10%, 50HZ/60HZ

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- Working environment Temperature:0-45°C, Humidity 5-95%(No condensate water)
- Dimension 1100*1020*1100mm
- Packing size 1210*1120*1200mm
- Net weight 80kg
- Option: Up & down table, honeycomb worktable, red dot position system.

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