

Catalog of Separable Style Laser Engraver MY-L1060M/1390M

Goods Description

WISELY 1060M/1390M separable style laser engraving machine is specially designed for heavy material. It brings great convenience to customers. The machine is assembled by upper part and lower part, and the two parts can be separated. The upper part can be moved down from the machine, and the lower part can configure suitable platform according to customer's needs. The design changes the traditional engraving method. We can put the upper part onto some heavy materials, so that avoiding the difficulty of moving heavy material. Meanwhile, it solves the problem that platform has a limited bearing ability. Both parts can be up and down so that we can focus and engrave on thick material easily.

Applicable Industries

Marble engraving industry, advertisement gift, packaging, shoes, garments, toys, model, arts, crafts and paper industry, etc.

Applicable Materials

Marble, granite, tombstone, wood, acrylic, organic glass, crystal, fabric, paper, leather, rubber, ceramic, glass and other non-metal materials, etc.

Feature

- ◆ 1. High Accuracy--HIWIN/PMI Linear Guide Rail from Taiwan.
- ◆ 2. Online & Offline Operation: To transmit data from PC to machine by USB cable or transmit by Flash Memory Disk.
- ◆ 3. High Rigidity--The thickness of the machine body is 2.0mm, the shape of machine will not change within 30 months.
- ◆ 4. USB 2.0 Interface, Steady and Quick Transmitting Speed, suitable for Desktop PC or Laptop.
- ◆ 5. Three kinds of software to output data: LaserCutEngrave, AutoCAD and CorelDraw.
- ◆ 6. DSP Control System.
- ◆ 7. Massive Memory Capacity: Standard allocation of 128Mb inner memory capacity.
- ◆ 8. CE Certificate, ISO9001:2008, FDA.

Technical Parameters



1. MY-L1060/1390 laser engraving machine is mainly designed for heavy material, such as Marble, Granite, Tombstone, etc..
2. Separable Style make your engraving work with heavy material easily.
3. Focus Height is adjustable in accordance with different thickness of material.

| TYPE | MY-L1060M | MY-L1390M |
|----------------------------------|--|--------------------|
| Working Area | 1000mm(L)*600mm(W) | 1300mm(L)*900mm(W) |
| Laser Power | 60W/80W/90-100W | |
| Max. Cutting Depth (recommended) | 10mm/15mm/20mm Acrylic or 0.3mm Marble | |
| Laser Type | Sealed CO2 Laser Tube | |
| Max. Engraving Speed | 0-1000mm/s | |
| Max. Cutting Speed | 0-500mm/s | |
| Resetting Positioning Accuracy | ≤0.01mm | |
| Life Hours of Laser Tube | 1800-8000 Hours | |
| Maximum Forming Character | English letter: 1.0 x 1.0mm | |
| Power Supply | 220V±10% 50HZ or 110V±10% 60HZ | |
| Software Supported | ArtCut, CorelDraw, PhotoShop, AutoCAD | |
| Graphic Format Supported | PLT、DXF、BMP、JPG、GIF、PGN、TIF, etc. | |
| Drive Type | 3-ph Stepper Motors | |
| Interface | USB 2.0 | |

| | | |
|--------------------------------|---|----------------------|
| CO2 Laser Tube | Yes | |
| Laser Power Supply | Yes | |
| ZnSe Lens Imported | Yes | |
| Silicon/Molybdenum Mirror | Yes | |
| Air Compressor and Exhaust Fan | Yes | |
| Water Chiller | Yes, but it is optional device. | |
| Videos and User Manual | Yes, you can learn to focus, adjust the laser route, operate the machine and so on from the Videos. | |
| Default Working Table | Fixed Honeycomb Table, Fixed Flatbed Table or Fixed Knife Table. | |
| Package Size | 1730mm*1345mm*1600mm | 2000mm*1600mm*1600mm |
| Net Weight | 400 kg | 510 kg |
| Gross Weight | 470 kg | 610 kg |
| Optional Device | Chiller, Motorized Up/Down Flatbed Table, Rotary Attachment and so on. | |
| Recommended Spare Parts | Lens, Mirror, Laser Tube, Laser Power, Sensor | |

Why Wisely Laser?

1. We use the high-precision Linear Guiderail imported from HIWIN or PMI in Taiwan.



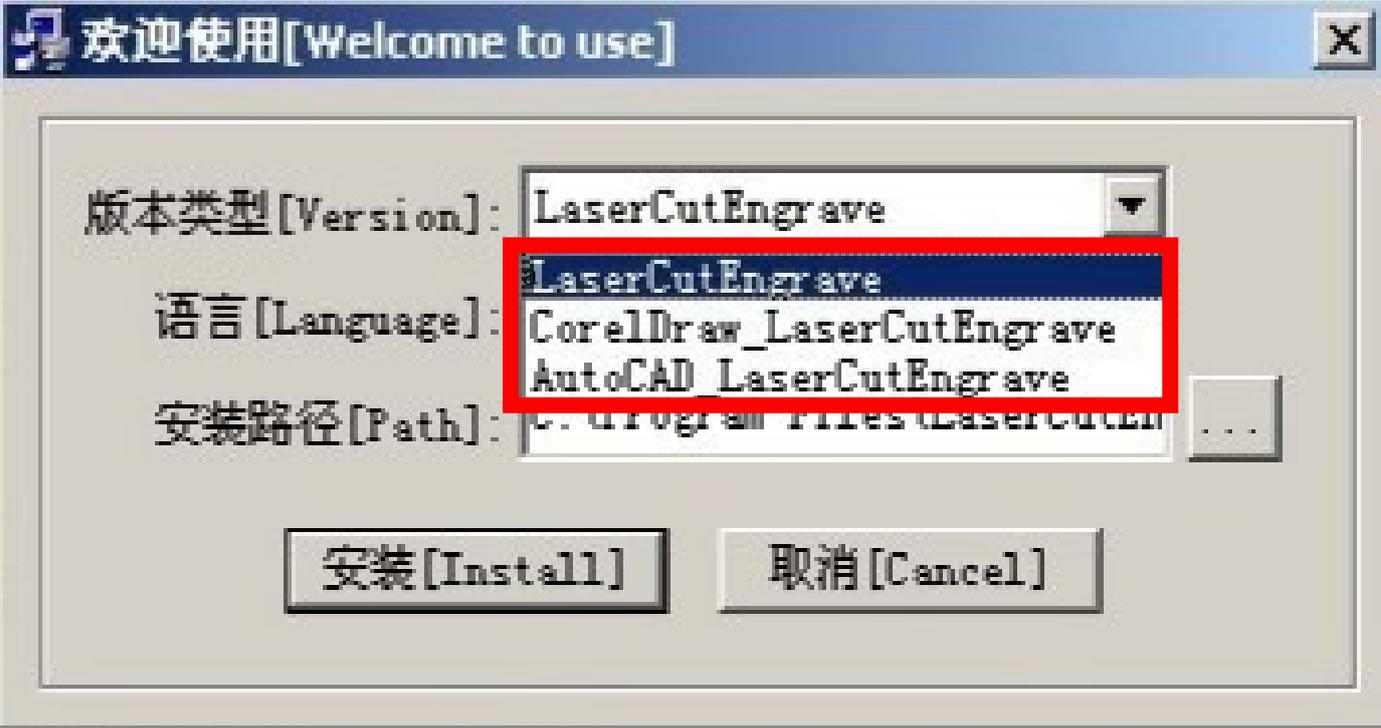
2. We use Beijing RECI laser tube and laser power supply if the power exceeds 80W.



3. We use the driver, motor and controller from www.leadshine.com which is famous throughout the world.

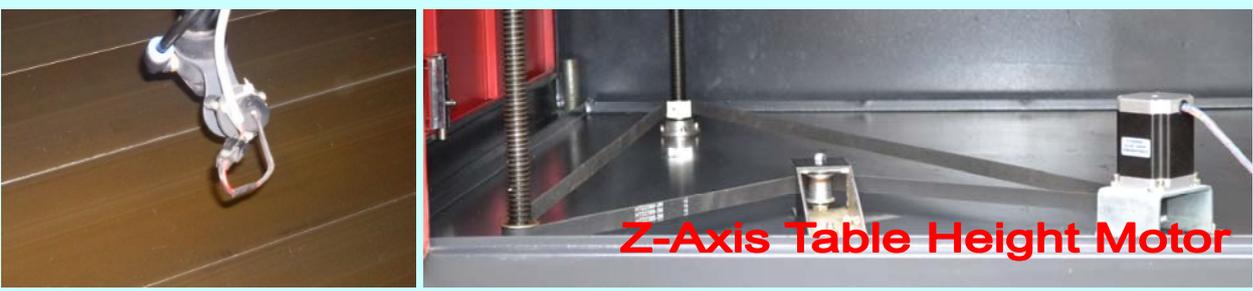


4. Three Softwares for your choice, you can choose one between the three. If you want to choose CDR or AutoCAD, you should install CorelDraw or AutoCAD at first, this system supports CorelDraw11, CorelDraw12, CorelDraw13, CorelDrawX4, AutoCAD over 2000 version.



5. Four kinds of table:

1) Motorized Up/Down Flatbed Table Z (Optional)



2) Fixed Flatbed Table (Default)



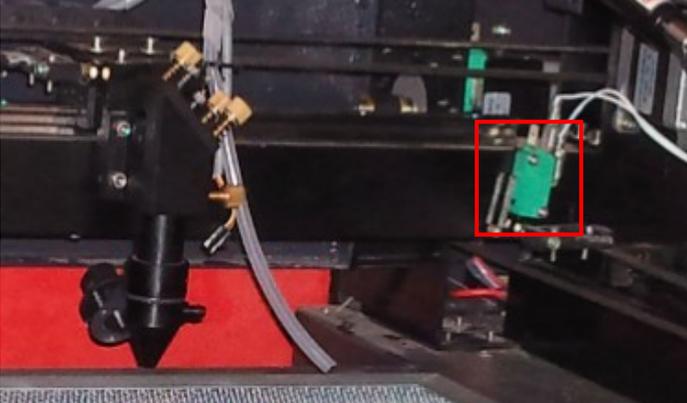
3) Fixed Honeycomb Table (Default)



4) Fixed Knife Table



6. Limit Switches for X & Y Axis



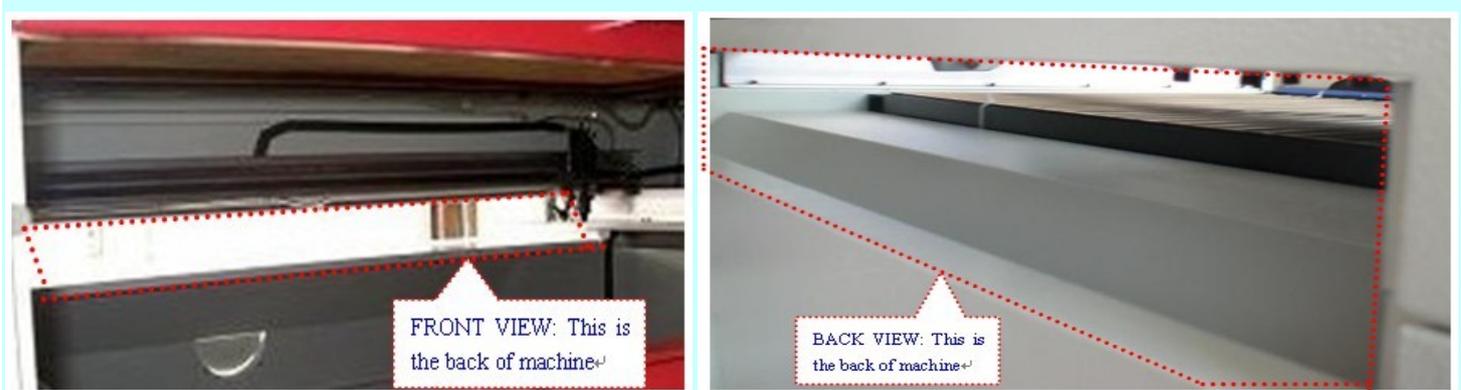
The limit switches prevent the axis from attempting to go beyond the mechanical limits of the machine. Some machines can be equipped with autofocus sensor which ties into the control board. The sensors for the X and Y axis are non-contact sensors which yield a more repeatable position over the life of the machine.

7. The inside light



It is always nice to check on the progress of the project that is currently running. The laser machine has a viewing window through the main access door, and this interior light works great for providing enough light to see what is happening inside.

8. Pass-Thru Doors



The laser machine frame is built with doors that allow materials to extend out the front and/or rear of the machine. This is helpful when engraving or cutting material that cannot fit completely inside the machine. Examples: Engraving pictures onto a bathroom shower door. Rolls of fabric threaded into the rear door, engraved or cut, and then pulled out the front door. Engraving the front door to my house. Engraving very large mirrors or sheets of glass. The limits are endless.

9. Castor Wheels



WISELY various models of laser engraving & cutting machines can weigh from 100 kg to more than 1200 kg. Every machine is equipped with castor wheels to make it easier to move it around the workshop or office.

10. Coolant Flow Check Sensor



The laser machine can be equipped with a chiller or water pump and tank. In either case, the coolant must keep the laser tube from over heating. This check sensor ensures the laser will not be allowed to fire without proper coolant flow. It is typical for us to use a mixture of glycol (or Antifreeze) and water as the coolant fluid.

11. The machine can work WITHOUT a computer, one flash memory disk can be enough for saving files.



12. USB 2.0 Interface and CE Certificate

Laptop can work with our machine if it has USB 2.0 interface. We have CE, ISO9001:2008 and FDA for our machine.



13. Control Panel

User Friendly LCD control panel allows the user to quickly change selected program and modify machine operational conditions. You can Start, Stop, Pause, Reset, Datum, Test Fire, Outline engrave project area, Move the X or Y axis, LCD Viewing Display.



14. Blower / Fan / Vacuum



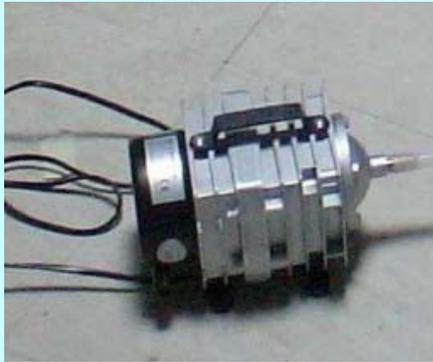
The vacuum blower creates an air flow to remove dust and fumes from the work area of the laser machine. It is important to remove the dust and fumes from the laser engraving areas because dust can settle onto the mirrors or lens. Dust on the mirrors or lens will create a focal point of the laser's heat and soon destroying the optics. The fumes need to be removed from the operator work area because they can be irritating and unhealthy. The blower can also be connected to a vacuum box to pull air through the work material.

15. Vent Air Direction Control



The air that exits the laser machine can be controlled by this vent damper. It allows the operator to select what proportion of air can be pulled from above or below the work surface.

16. Air Pump



The air pump is used for three basic reasons. The primary reason is the push fumes away from the laser's focal lens. This protects the lens from contaminants which could destroy the lens. The second function of the air pump is to push air into the material's kerf as created by the laser beam. Air that is applied to the kerf will remove debris/fumes and allow the laser light to penetrate deeper through the material. The third reason is that the air will help to cool the material. If the laser cut/engraved material stays hot, then it could warp or shrink. This air pump is a diaphragm style which does not require oil. Oil or water in the air line could be projected directly onto the focal lens. This air pump has a higher air flow rate and is quieter than other piston stroke designs.

17. Water Pump



This is water pump which is used to cool the laser tube, it's free of charge. but it is suitable for laser tube with 80W or less than 80W. If your machine adopts laser tube with 100W or more than 100W, we advise you buy a Water-cooling Chiller.



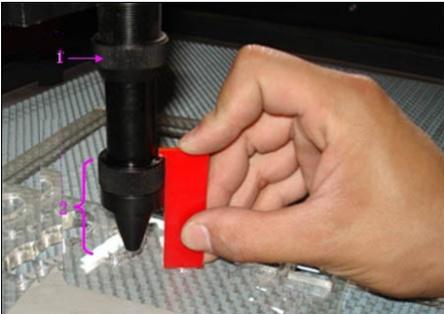
- CW-3000 Chiller--For single 25W, 40W, 60W and 80W laser tube
- CW-5000 Chiller--For single 90-100W, 120-135W, 150-170W laser tube
- CW-6000 Chiller--For single 120-135W, 150-170W and 170-195W laser tube
- CW-5200 Chiller--For 2 * (60W, 80W, 90-100W, 120-135W, 150-170W) laser tube
- PH-LW15-BLP Chiller--For 2 * (60W, 80W, 90-100W, 120-135W, 150-170W laser tube)

21. Red Dot Pointer

At the beginning of your processing work, you don't know where the laser will hit, but don't worry, you have "Red Dot Pointer", it can simulate the laser.



18. Manual Focus



- 1. Lock cap
- 2. Focus distance

You should put the material onto the working table before focusing. then to process once you finish focusing, the acrylic piece will help you find the focus distance.

23. Automatic Focus



19. Rotary Attachments



Rotary Attachment with rollers--it can engrave on the material like bottles or cups.



Rotary Attachment with clips--it can engrave on the material like wood, bamboo, cup and so on.

20. Lens and Reflecting Mirror



We use Lens and Silicon or Molybdenum imported from Singapore. The Focal Length is 3 or 4 inch, it is suitable for cutting thick material. The reflecting rate of mirror is close to 99.99%, and the mirror has longer life.

Warranty

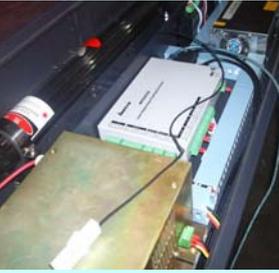
Warranty Terms

| No. | Spare Parts | Warranty Period (since delivery) | Available for |
|-----|-------------------------------|----------------------------------|--|
| 1 | Machine Frame | 24 months | 1. MY-L3040 2. MY-L4060 3. MY-L6090 4. MY-L1290 5. MY-L1290D 6. MY-L1490 7. MY-L1490D 8. MY-L1610 9. MY-L1610D 10. MY-L1412 11. MY-L1412D 12. MY-L1412BS 13. MY-L1412BSD 14. MY-L1325/1530 15. MY-L1325D/1530D 16. MY-L1325BS/1530BS 17. MY-L1325BSD/1530BSD 18. MY-L1810F 19. MY-L1810FD 20. MY-L1630F 21. MY-L1630FD |
| 2 | Control Card (Motherboard) | 18 months | |
| 3 | Normal 40W/60W/80W Laser Tube | 3 months | |
| 4 | RECI W2/W4/W6/W8 Laser Tube | 8 months | |
| 5 | Laser Power Supply | 18 months | |
| 6 | Water-cooling Chiller | 12 months | |
| 7 | Air Pump / Water Pump | 12 months | |
| 8 | Exhauster | 12 months | |
| 9 | Reflecting Mirror and Lens | 3 months | |
| 10 | LED Control Display | 12 months | |
| 11 | Linear Guiderail | 12 months | |
| 12 | Switch Power | 24 months | |
| 13 | Stepper Moter | 18 months | |
| 14 | Servo Motor | 18 months | |
| 15 | Driver | 18 months | |
| 16 | Timing Belt | 12 months | |
| 17 | Ballscrew | 18 months | |
| 18 | Red Dot Pointer | 12 months | |
| 19 | Rotary Attachment | 12 months | |
| 20 | Worktable | 12 months | |

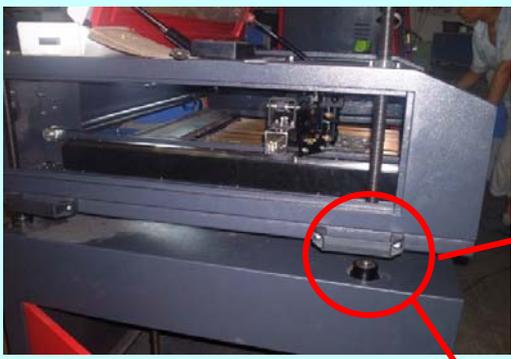
Shipment

Under ordinary circumstance, we will effect shipment within 5 WORKING DAYS after receiving your 100% payment.

The machine can be indevided into two parts, you can put the upper onto the marble if your marble has large size and heavy.



LED Control Panel
On the upper part of
machine



This is the separate style



You can remove the upper
part, and put it onto
the marble.



You can remove the
upper part of machine
by using the 4 screws.



Two motors for the
Motorized up/down
worktable.

↑ Worktable UP

↓ Worktable DOWN



2010/08/27



