

High-speed marking system with laser

INGRASER-L200

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Fiber Marking Laser is able to do high-speed and high-accuracy marking on various materials employing Pulsed Wave Ytterbium -doped laser with scan head. The device has been used in various fields such as automobile, electricity, electronics and others for its own high-speed and accuracy. It is a high-end marking solution that perfectly meets customer's needs. RED Technology Co Ltd. Marking Laser utilizes a configuration module known for its excellent quality and performance with its long-term use of this control technology. Also, it is adaptable to various requests from different industries fields as well as assuring industrial safety standards.



Functions

- Ultra high-speed marking on various metals
- Various marking types such as regular marking, black marking and deep marking, etc.
- Easy Guide laser enabled to check marking position
- A guideline at the working area with easy marking position recognition
- Fix a workpiece in a fast and convenient manner by just putting it down
- Selectable power output depending on the purposes
- Easy to check and set a focus height with a dual-focus beam
- High-accuracy scan head provides clear marking for small letters which is difficult to discern with the naked eye
- The thick material is engravable with Z axis auto-movement function
- Built-in laser shielding window and cover sensor for safe device use
- Installation and use with compact size
- Chamber structure for user's safety
- Specialized laser engraving software
- Directly interlocks external devices such as dust collector and others

Specification

| | | | | | |
|---------------------|--------------------------------|---------------|--------------------------|-------------------|-------------|
| Size | 378mm(L) x 612mm(H) x 625mm(W) | Beam quality | <1.8M ² | Power consumption | < 550W |
| Max. engraving area | 110mm(X) X 110mm(Y) X 100mm(Z) | Marking speed | 3000mm/s(X,Y), 18mm/s(Z) | Laser wavelength | 1064nm |
| Laser power | 60W | Frequency | 1~400kHz | Cooling system | Air Cooling |
| Power supply | AC 100~240V 50/60Hz | Weight | 56kg | Blower Power Port | AC 220V/2A |

Uses

Engraving serial number, barcode, logo, graphic image on various subjects such as automobile, electricity, electron, mobile, medical device, tool and etc.
 Engraving name, initial, pattern, image on products such as ring, pendant, watch, jewelry and accessories.
 Engraving various metal materials such as aluminum, brass, stainless steel, titanium and etc. with a great depth of engraving and cutting.



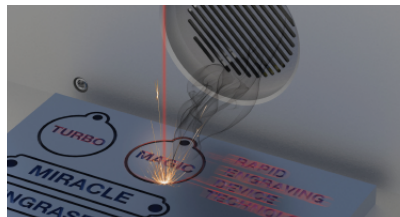
Ultra high-speed marking on various metals

- High-quality marking on various metal materials such as jewelry, accessory, nameplate, etc in an ultra-fast and accurate fashion.
- Various marking types: Regular marking, Black marking and deep marking, etc.
- Selectable power (output) depending on the purposes.



A high efficiency compared to low power

- Fast cutting speed compared to low power
- Beam thickness can be adjusted to cut thick material



Engraving small letters

- High-accuracy scan head provides clear marking for small letters in 0.5mm size which is difficult to discern with the naked eye.



Guide laser enables to check marking position

- Guide laser enables to check the design and position



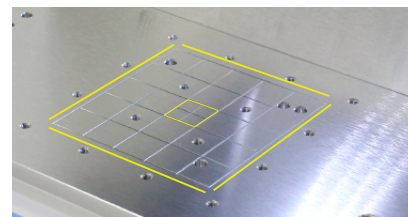
Fast and easy focus setup

- Easy to check and set a focus height with a dual-focus pointer



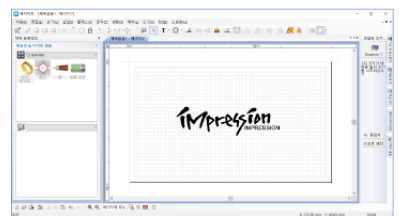
Lines with easy marking position recognition

- Lattice and center position lines are engraved on the clamp surface for easy marking position setup



Specialized laser engraving software

- Intuitive interface provides easy-to-learn, dedicated software that provides automation to simplify marking of various formats
- Easy to make texts, images, logos and bar codes.
- Supports dxf, svg file extension.



Easy installation and use with compact size

- Minimizes installation space by designing compact size that can be placed on table.
- The weight is lighter than the general laser engravers and makes transfer easier as well.



L type clamp to use easier

- Just put down a material and start engraving without fixation.



Automatic moving cover

- Automatically opens and closes its own cover when start marking.

100mm Stroke Z-axis

- Engraves maximum 100mm height material.
- Memorizes of materials height and position.

Directly interlocks external devices such as dust collector and others

- Control the external devices such as dust collector and others directly when engraving occurs.
- For example, if a dust collector is connected, dust collection starts at the time when engraving begins and shuts down automatically when engraving is done.