Cut & engrave with pin-point accuracy

Wireless Desktop Laser Engraver Cutter
EMBLASER 2


Emblaser 2 is designed with your creative process in mind. The combination of camera assisted alignment helps accelerate the transition from digital design to reality. Emblaser 2 works with LaserWeb Open Source software combined with our intuitive add-ons for a simplified workflow.

MAKING GREAT STUFF IS WHAT EMBLASER DOES
SUPERMAN HAS LASER POWERS, 
SO CAN YOU

SMART SAFETY FEATURES

Lid Interlock
Fire Ignition Alarm
Fume Filtration

Designed for the Classroom

Designed specifically for educators looking for a safe, hassle-free laser cutter engraver, that offers exceptional quality and boasts a host of innovative features. From smart, user-friendly software and automatic focusing to camera assisted material placement.
The Emblaser 2 can cut most solid colour Acrylics. It can’t cut clear or lightly tinted acrylic, but it can cut 3mm Black, Green, Yellow, Red. It can also engrave some tinted acrylics. Due to the frequency of the laser diode, its light will pass right through clear or lightly tinted materials and will not affect it.

This is where the Emblaser 2 shines. It can cut up to 6mm Plywood, MDF, Balsa and many others. It does an excellent job at engraving photos or vectors onto wood. Plus can even make living hinges and 3D reliefs using the software controlled laser height.

Customise your purse, wallet or bracelet in ultra-fine detail with the Emblaser 2. Cut & engrave Natural leather, Suede leather and many other types of leathers.

Cut and engrave amazing intricate, elegant, classic patterns and it even seals fabric edges to prevent fraying. This method of design is very popular in the fashion industry.

With the Emblaser 2 you can create an unlimited range of elaborate greeting cards, packaging, personalised engravings and delicate laser-cut patterns.

Using 123Make you can import from thousands of 3D STL files and slice them to make the virtual world physical.

Pushing the boundaries
5 watts is that all I hear you say?

Well the smart chaps over at Darkly Labs managed to squeeze out all the laser power, focusing it through precise optics to get all the energy focused to as thin as the head of a needle. Not your standard laser diode!
Use the software you know & love

Why choose Emblaser 2 over CO2?

- The Emblaser 2 is about 1/5th the cost of a Co2 system.
- Emblaser 2 doesn't use mirrors, so no complex mirror alignment required.
- Can engrave photographs with higher definition compared to CO2.
- Simple servicing, no need to return to base for replacing laser unit.
- Emblaser 2 is air cooled. No messy buckets of water and fish pumps needed.
- No complex manual focusing and laser height is software controlled.
What's in the package:

Emblaser 2 wireless desktop laser cutter engraver
4 x cutting mats
Extraction hose
LaserWeb Software Windows, MAC & Linux
Lens cleaning kit
120-220v - 12vDC Power Supply
USB Cable
1 Year Limited Warranty
Online & Phone Customer Support

Optional
Clean cut air assist
Indoor filtration unit
Spare filter
Fire Blanket

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build Volume</td>
<td>500 x 300 mm with 50mm software control laser height</td>
</tr>
<tr>
<td>3D Cutting</td>
<td>Yes</td>
</tr>
<tr>
<td>Classification</td>
<td>Class 1 - the safest laser device rating available</td>
</tr>
<tr>
<td>Camera assisted material alignment</td>
<td>Yes</td>
</tr>
<tr>
<td>Laser unit</td>
<td>5 watt Laser Diode with beam reshaping</td>
</tr>
<tr>
<td>Clean-cut air assist</td>
<td>Yes - optional</td>
</tr>
<tr>
<td>Fire ignition alert</td>
<td>Yes</td>
</tr>
<tr>
<td>Fume extraction</td>
<td>Yes</td>
</tr>
<tr>
<td>Focus</td>
<td>Factory calibrated</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Wi-Fi 2.4G &amp; USB 2.0</td>
</tr>
<tr>
<td>Indoor fume filtration unit</td>
<td>Yes - optional</td>
</tr>
<tr>
<td>Workspace lighting</td>
<td>Yes</td>
</tr>
<tr>
<td>Software</td>
<td>Windows, MAC &amp; Linux</td>
</tr>
<tr>
<td>Warranty</td>
<td>12 month &amp; 6 month on Laser Diode</td>
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Engraving has never been so easy!

or contact your local reseller

LEARN MORE AT 3DPRINTINGSYSTEMS.COM

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