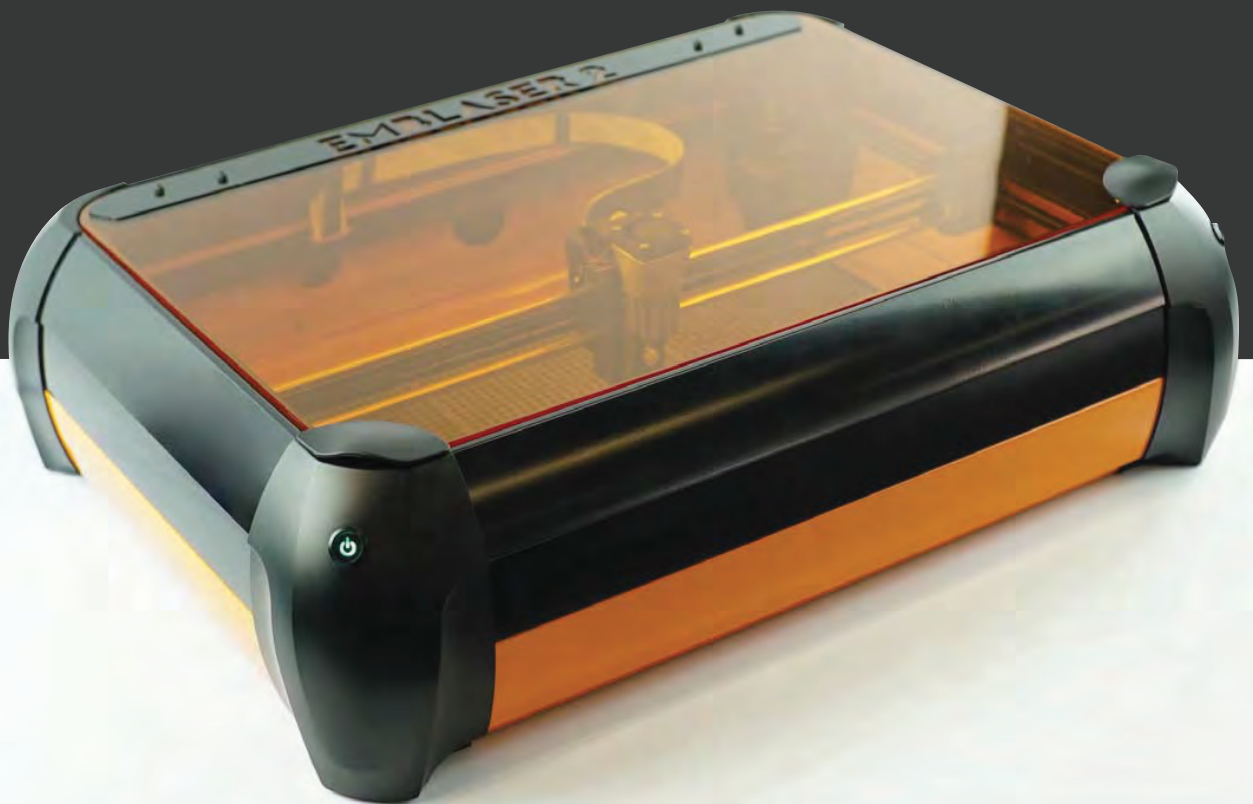


Cut & engrave with pin-point accuracy

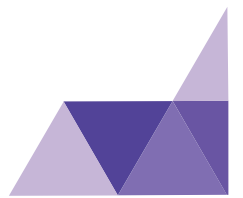
NEW
Upgraded double power laser



EMBLASER 2

Wireless Desktop Laser Engraver / Cutter

Distributed by  **AFINIA 3D**



EMBLASER 2

MAKING GREAT STUFF
IS WHAT EMBLASER DOES



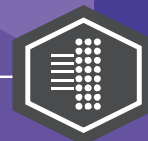
SMART SAFETY FEATURES



Lid
Interlock



Fire Ignition
Alarm



Fume
Filtration

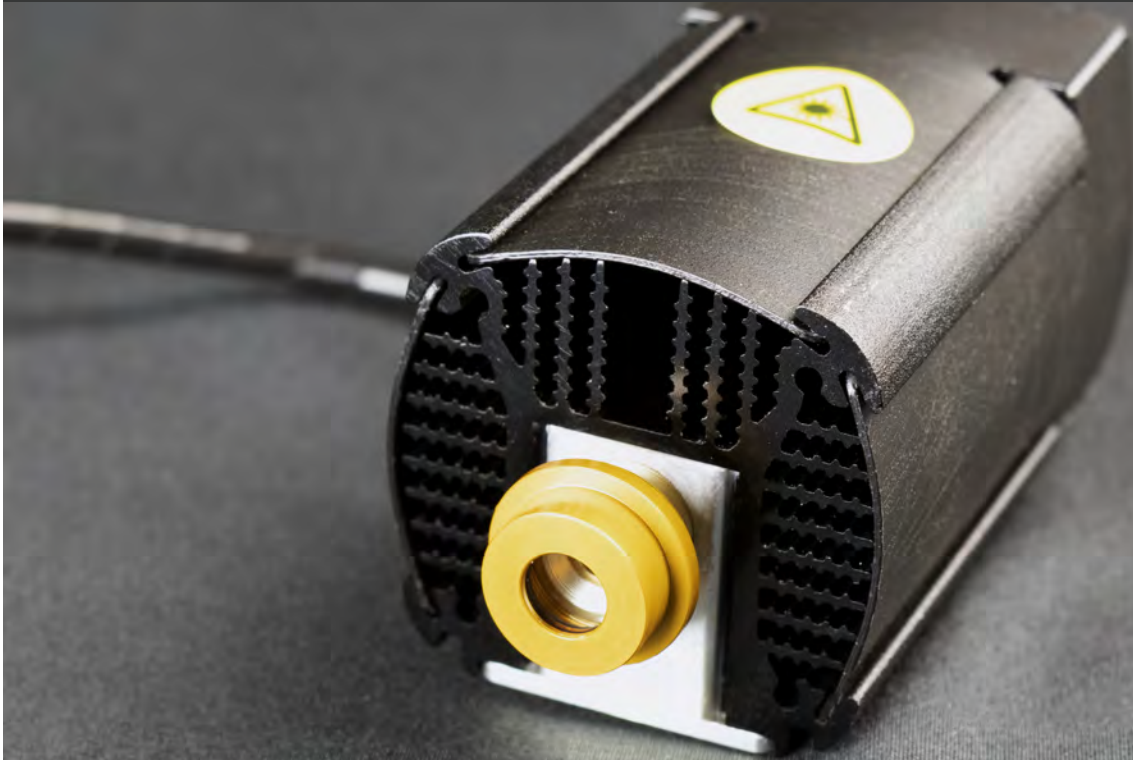
Designed for the Classroom

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.

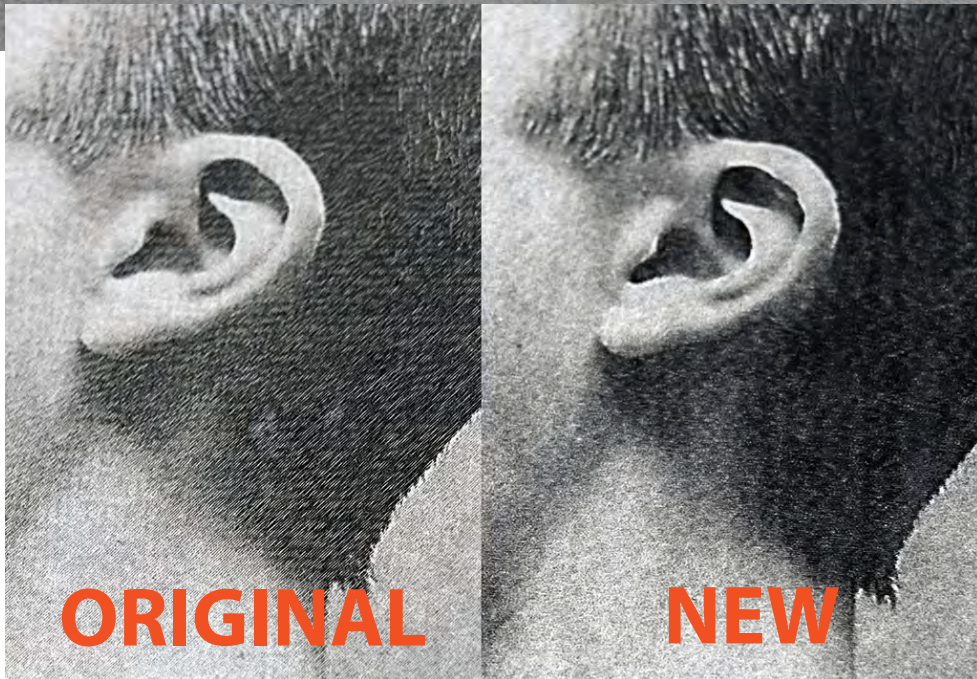


CLASS 1

REVISED LASER MODULE



UP TO 3X FASTER CUTTING
4X HIGHER RESOLUTION



ORIGINAL

NEW

EMBLASER 2 So Many Materials

Acrylics



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, it's light will pass right through clear or lightly tinted materials and will not affect it.

Wood



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.

Leather



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.

Fabrics



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.

Paper



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

Cardboard



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

Metal



You can engrave onto metal with the Emblaser, by applying a metal etching spray prior to engraving.

Glass

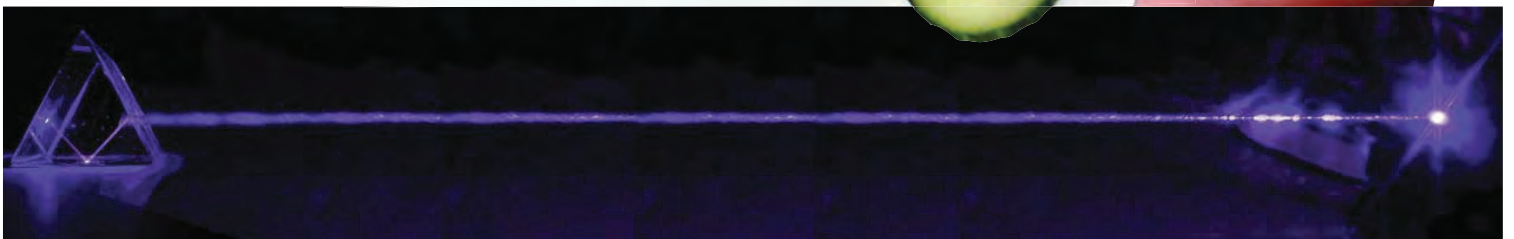
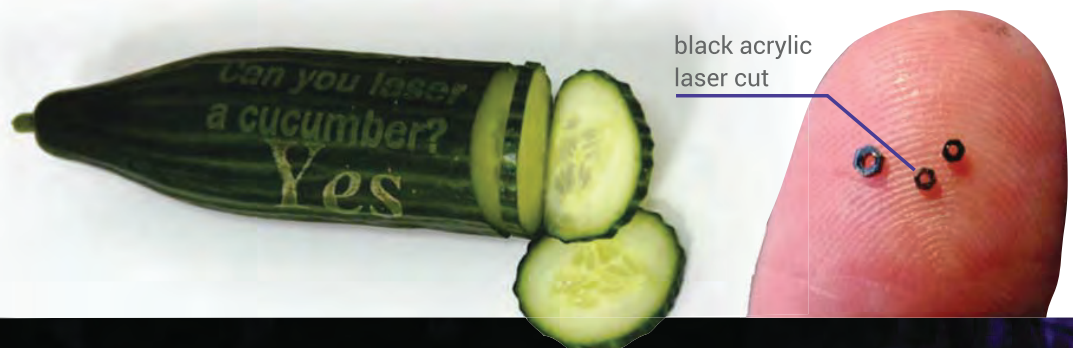


Engraving onto glass is easy too. Just apply black spray paint and then engrave.

Pushing the boundaries →

By using specialised optics, Darkly Labs have managed to squeeze out the *equivalent power of a 15watt CO2 laser, with far better reliability and low maintenance. Not your standard laser diode!

No mirrors to align and no water cooling required!



EMBLASER 2 Next Level



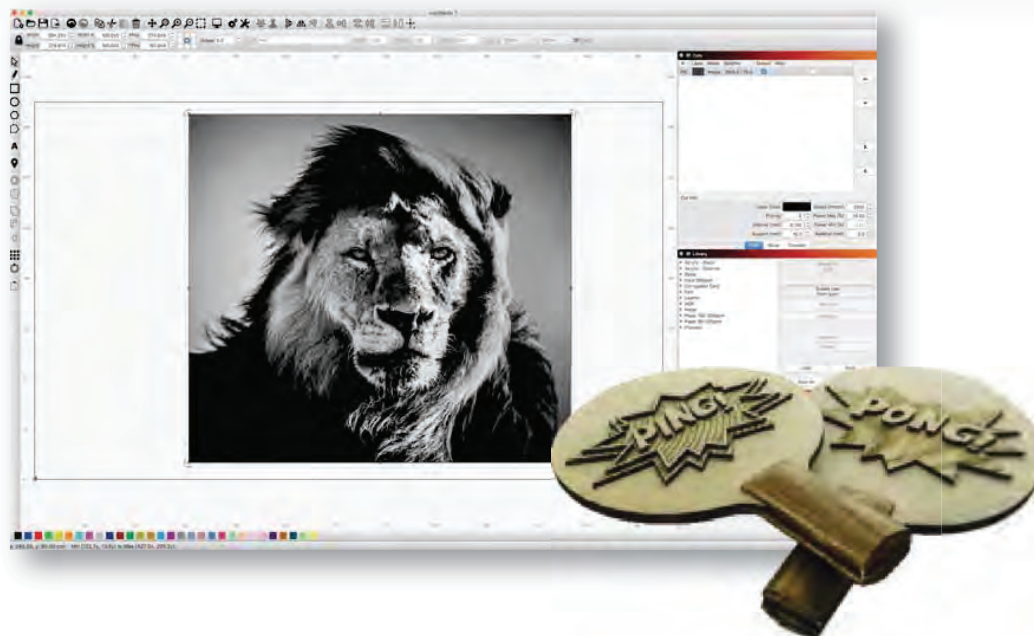
The automatic trace function makes turning your designs into vector artwork a snap! No need to bounce around other graphic packages. Just do it all in LightBurn.

Combine the automatic trace function with the Emblaser's inbuilt camera to easily capture, trace and engrave your artwork.



Sketch, trace & engrave

EMBLASER 2 Software



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.
- ✓ Emblaser 2 can run continuously. No cooling-down needed.
- ✓ No complex manual focusing. Laser height is software controlled.



What's in the package:

Emblaser 2 wireless desktop laser cutter engraver
Clean cut air-assist
4 x cutting mats
Extraction hose
Free Sample Material Pack
LightBurn Software Windows, OSX & Linux
Lens cleaning kit
Fire Blanket
120-220v - 12vDC Power Supply
USB Cable
1 Year Limited Warranty
Online & Phone Customer Support

Optional

Indoor filtration unit
Spare filter set



EMBLASER 2 Specifications

Engraving has never been so easy!

Laser Power	10w precision focus (**equivalent to 30w CO2)
Build Volume	500 x 300 mm with 50mm software control laser height
3D Cutting	Yes
Classification	Class 1 - the safest laser device rating available
Camera	Yes. Used for material alignment or tracing + engraving
Laser unit	Solid-State Laser Array
Laser Focus Spot	0.08mm x 0.08mm (0.003in x 0.003in)
Clean-cut air assist	Yes
Fire ignition alert	Yes
Fume extraction	Yes
Focus	Factory calibrated
Connectivity	Wi-Fi 2.4G & USB 2.0
Indoor fume filtration unit	Yes - optional
Workspace lighting	Yes
Software	Windows, OSX & Linux
Warranty	12 month

**Emblaser solid-state laser diode does not cut transparent materials and has limited performance with certain materials. Send us a sample of what you intend engraving/cutting and we'll test it for you.*



LEARN MORE AT
AFINIA.COM

or contact your local reseller



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afinia.com

