LASERGRBL

Free Laser Engraving

WHAT IS LASERGRBL

LaserGRBL is one of the best Windows software for image Laser Engraving. LaserGRBL is able to load any image, pictures and logo and send to your laser engrave with few click.

Unlike other GUI, LaserGRBL it is specifically developed for use with hobbist laser cutter and engraver and could be a good free and easy alternative to picengrave, benbox, T2laser, lightburn for who don't need more then a simple and effective tool.

Laser Image Engraving with LaserGRBL v2.3.0

I have written it to use with my own engraver, and I like to share it with everyone who needs.

LaserGRBL is compatible with any engraver based on Grbl v0.9 and Grbl v1.1 standards.

DOWNLOAD

Last stable version: latest

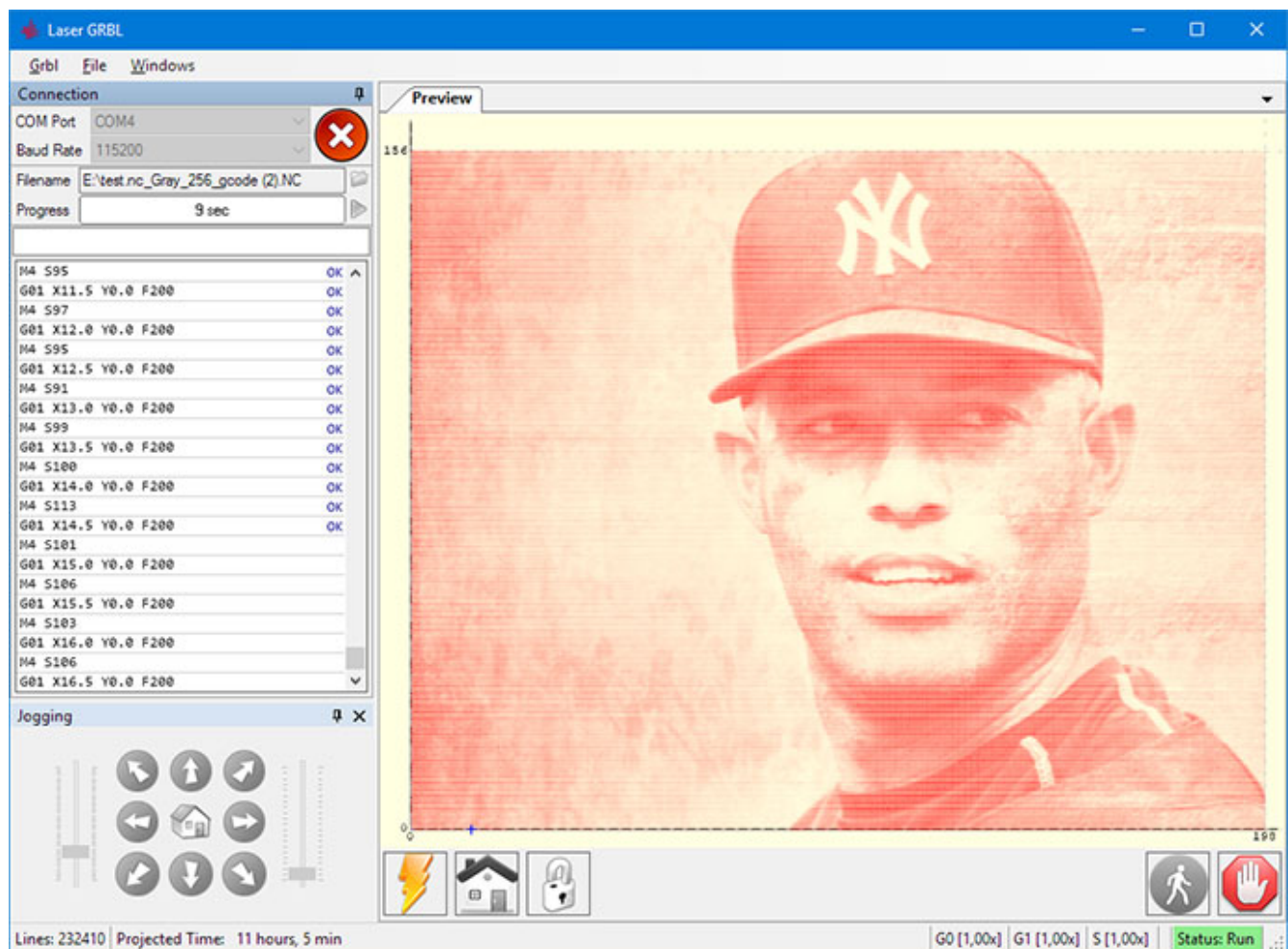All versions: github.com/arkypita/LaserGRBL

LaserGRBL is free and opensource, but it's development require time and money.
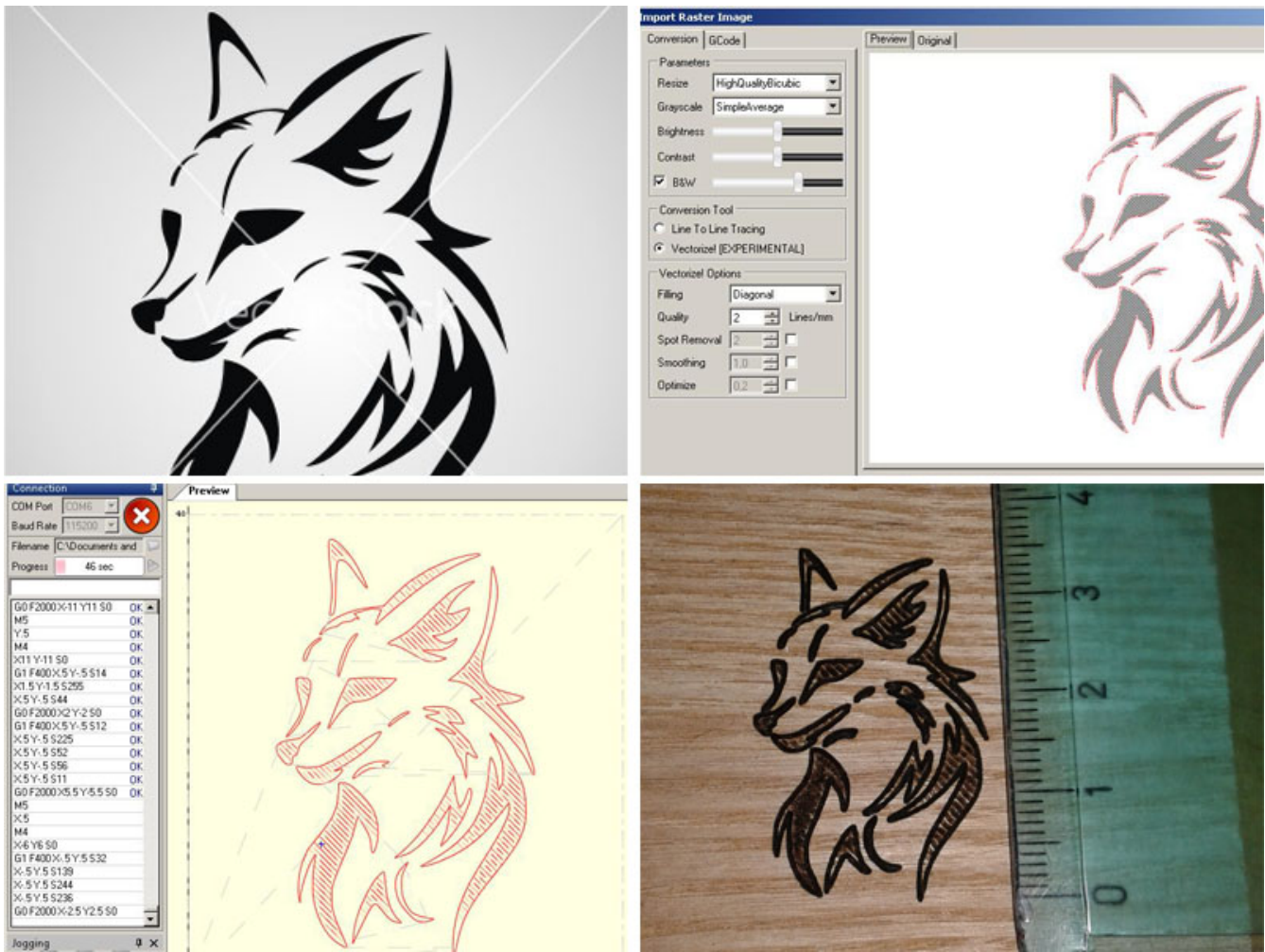
Do you like LaserGRBL? Support development with your donation!

FEATURES

- Load GCode with job preview
- Image engraving with grayscale conversion, dithering and vectorization!
- User defined buttons, power to you!
- Different color scheme optimized for usage with different safety glasses
- Grbl Configuration Import/Export
- Configuration, Alarm and Error codes decoding for Grbl v1.1 (with description tooltip)
- Homing button, Feed Hold button, Resume button and Grbl Reset button
- Job time preview and realtime projection
- Jogging (for any Grbl version)
- Power and speed overrides (for Grbl > v1.1) with easy-to-use interface

BUY

Laser engraver market is full of products: some of excellent quality, others of very poor quality. I suggest you which parameters to check for the choice of your first laser engraver.

Machine quality: materials used for build the frame and overall robustness
Laser quality: availability of more laser options and upgradeability to more powerful models
Support: availability of material (guides, videos) and support channels (email, website, facebook) and spare parts

I suggest to focus your research on the well known brands, because unknown brands hardly offer quality products and after-sale support. It's not nice to spend some money and feel abandoned when there is a problem with the product!

Here you can find a list of brand which I have personally tested, and I can recommand. For each brand I did a review, and you can read my opinion about their product line.

Brand	Machine	Laser	Support	Score	Opinion	Review
Ortur	⭐⭐⭐⭐⭐	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	4.9	best for innovation	review
Aufero	⭐⭐⭐⭐☆	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	4.5	best motor speed	review
Atomstack	⭐⭐⭐⭐☆	⭐⭐⭐⭐⭐	⭐⭐⭐⭐⭐	4.7	best laser power	review
Sculpfun	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	⭐⭐⭐⭐⯪	4.7	best for air assist	review
NEJE	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	4.7	best product range	review
Comgrow	⭐⭐⭐⭐☆	⭐⭐⭐⭐⭐	⭐⭐⭐⭐⯪	4.5	best quality/price	review
FoxAlien	⭐⭐⭐⭐⭐	⭐⭐⭐⭐☆	⭐⭐⭐⭐☆	4.3	best robustness	review
Longer	⭐⭐⭐⭐☆	⭐⭐⭐⭐⯪	⭐⭐⭐⭐☆	4.2	best for price	review
TwoTrees	⭐⭐⭐⭐☆	⭐⭐⭐⭐☆	⭐⭐⭐⭐⯪	4.2	best price/options	review
YoraHome	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	4.7	american quality	review
xTool*	⭐⭐⭐⭐⯪	⭐⭐⭐⭐⭐	⭐⭐⭐⭐⯪	4.7	infrared laser opt.	review

* xTool does not use LaserGRBL but proprietary software

WHAT ABOUT LASER POWER?

Currently (**July 2022**) is it easy to found laser module with **powers from 1.5W to 20W**. **Please read carefully!** I am talking about **optical power**: the only **real important value**.

Often you will find indicated a power that is the electrical power, this value is about 4 times the optical power, so 5W can be called 20W and therefore could mislead you.

Sometimes advertisers invent some weird power equivalences therefore it is not uncommon to find advertised powers of 150W.