X-Carve Design Source Files

What is X-Carve?

X-Carve is an open source 3D carving machine designed by Inventables. If you want to see what it is all about, go to https://www.inventables.com/technologies/x-carve

License & Trademarks

Attribution

The X-Carve design is an extension of the Shapeoko project by Edward Ford which was an extension of MakerSlide machine designs by Bart Dring.

Special Thanks

We would also like to recognize the grbl CNC milling controller (https://github.com/grbl/grbl) and the Ardunio project (http://arduino.cc/) for their contributions to the X-Carve machine.

Customer Support

The comment section of GrabCAD is not actively monitored. If you have an urgent question, please contact help@inventables.com

Please don't request support from GrabCAD on the source files. They are not affiliated with Inventables.

About the source files.

The source files are provided as part of our commitment to providing the highest quality open source documentation. These files are provided for free to everyone. They are not associated with, or contingent upon a purchase from Inventables.

The files were created in Pro/Engineer CREO 2.0. GrabCAD can present 3D views of these files and convert to a few other formats. If you want to load these into your own program, you will probably have the most success by downloading the Inventables created STEP file in the Step files directory. We do not promise compatibility with all 3D CAD programs. The complete model is very detailed and complex. Some programs may struggle with the complexity. We have tested it on CREO 2.0 and AutoCAD Inventor.

Changes.

The X-Carve is being developed in a continuous improvement environment. Whenever we identify something that can be improved for functionality or cost savings we will implement that change. This means your parts might not match the current revision of the documentation. We can only guarantee the parts meet or exceed the advertised features at the time you placed your order. GrabCAD allows you to view older revisions.

FAQ

- Why GrabCAD?
    - We use it as our primary CAD data management and collaboration tool. The ability to publicly share the files right from our database is a great feature for open source projects.
- Why does GrabCAD say “Dependant Files not found”?
    - In many cases this is a an issue with family table parts in CREO. The part is actually displayed and available.
    - Some parts are stored in a semi-public library in GrabCAD. They typically display fine, but occasionally there are issues with some parts. We are trying to solve these occasional problems.
- Why does GrabCAD say “This assembly is out of date”?
    - This is most often not an issue related to the 3D model and just a file date issue.
- Why does GrabCAD say email when the file is ready?
    - GrabCAD may be processing a recent upload.
    - GrabCAD needs time to convert file formats.
- Why does the assembly take so long to load.
    - The load time is heavily dependant on your connection speed. The speed of your computer is also a factor.
- Why are there overlapping parts?
    - X-Carve is a configured item. There are things like multiple stepper motor options. A physical product cannot have multiple options installed, but modern

    - 3D CAD programs can manage configured assemblies. GrabCAD and STEP files will show them as overlapping items.
- Why are not all parts shown in assembly model?
    - We are committed to providing all the source files we have. Some items do not have source files, like wiring features, etc.
- Where is the 1000mm version?
    - That is a configurable parameter in CREO 2.0 that does not transfer to GrabCAD. You will have to adjust the model in your CAD program.
- Can I get the whole model in CREO 2.0.
    - Not via GrabCAD. We can provide that by special request. The download will be quite large.
- What are the file types.
    - .asm - CREO Assembly File
    - .prt - CREO part file
    - .stp - a STEP file
    - .pdf - A CAD file saved as PDF