



## Shapeoko XXL

TOL-14694

DESCRIPTION

FEATURES

DOCUMENTS



- Footprint: 1137.92mm x 1023.62mm x 421.64mm (44.8" x 40.3" x 16.6")
- Cutting Area: 838.2mm x 838.2mm x 76.2mm (33" x 33" x 3")
- Motion System: GT2 Belting, 2mm pitch with NEMA23 Motors
- Frame: Black 10ga Formed Steel Plates with Aluminum Extrusions
- Recommended Spindle: DeWalt D26200 or Makita RT0700C
- Weight 150lbs.
- Firmware: GRBL 1.1
- Operating System: OS X 10.8 or higher, Windows 7, 8, 8.1, 10
- 9mm belts
- Drag chain for wire management
- Enclosed electronics
- 3/4 MDF table
- Homing switches included
- Adapter ring to fit Makita RT0701C router

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### Tags

CARBIDE 3D CNC FABRICATION MILLING ROUTER SHAPEOKO  
SHAPEOKO XXL TOOLS

## Shapeoko XXL Product Help and Resources

### SKILLS NEEDED

### Core Skill: Robotics

This skill concerns mechanical and robotics knowledge. You may need to know how mechanical parts interact, how motors work, or how to use motor drivers and controllers.



**Skill Level: Experienced** - Your experiences should include working with stepper motors and feedback system. You may need to understand how encoders and more complex control systems work.

[See all skill levels](#)

### Core Skill: DIY

Whether it's for assembling a kit, hacking an enclosure, or creating your own parts; the DIY skill is all about knowing how to use tools and the techniques associated with them.



**Skill Level: Competent** - You might need to break out the power tools. Nothing beyond a power drill or rotary tool should be required, but you might have a hard time with just a screwdriver and hammer. Cutting holes into plastic or metal might be required.

[See all skill levels](#)

### Core Skill: Programming

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about



**Skill Level: Experienced** - You will require a firm understanding of programming, the programming toolchain, and may have to make decisions on programming software or language. You may need to decipher a proprietary or specialized communication protocol. A logic analyzer might be necessary.

[See all skill levels](#)

## Core Skill: Electrical Prototyping

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.



**Skill Level: Competent** - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that's greater than 12V or more than 1A worth of current.

[See all skill levels](#)

COMMENTS **1**

REVIEWS **0**


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 **Member #32394** / about 2 years ago / ★ 1


Is there any way to add height to the thing such that it could handle a thicker piece of material? I am wanting to cut 5 1/2" thick corbels. So cutting half way through from each side to create the shape, and cutting the design on each side as well.

 **START**  
SOMETHING.



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