Due to the impacts of the coronavirus outbreak, we are experiencing longer than normal lead times on certain products. We encourage back-ordering out-of-stock items to receive them as soon as possible.









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SHARE

Previous Versions

Shapeoko v3

TOL-14620

DESCRIPTION | INCLUDES | FEATURES | DOCUMENTS

- Footprint: 725mm x 600mm x 406mm (28.5" x 23.6" x 16")
- Cutting Area: 425mm x 425 mm x 75mm (16" x 16" x 3")
- Motion System: GT2 Belting, 2mm pitch with NEMA23 Motors
- Frame: Black 10ga Formed Steel Plates with Aluminum Extrusions
- Recommended Spindle: DeWalt DWP-611 or Makita RT0701C
- Weight ~55lbs.
- Firmware: GRBL
- Operating System: OS X 10.9 or higher, Windows 7, 8, 8.1, 10
- Enclosed electronics, no need for a fan
- One-piece MDF table, no need for bottom straps
- 9mm Belts
- New, more rigid Z plate
- US-Made V wheels and eccentric nuts
- Partially assembled- cuts assembly time by 75%
- Homing switches included
- Carbide endmill included (1/4")
- Adapter ring to fit Makita RT0701C router

Tags

CARBIDE 3D | CNC | EDUCATION | FABRICATION | MILLING | ROUTER | SHAPEOKO | TOOLS

Shapeoko v3 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 communication and code.



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 0 | REVIEWS 0

Comments

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