

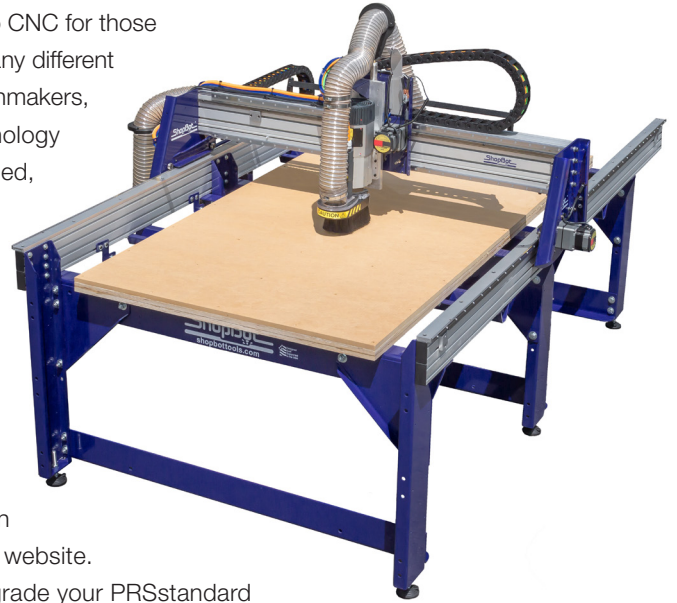
# ShopBot PRSstandard CNC

Our PRSstandard series of full-sized gantry tools provides an affordable entry to CNC for those who are ready to get started with CNC productivity. These tools are ideal for many different users: moderate volume production shops, educational settings, hobbyists, signmakers, and woodworkers, just to name a few. Using proven ShopBot advanced technology for CNC cutting, drilling, carving and machining, the PRSstandard is the rugged, right-priced, entry level tool for smaller shops ready to harness the power and productivity of a ShopBot CNC.

The PRSstandard uses our proven CNC workhorses, super-tough motors with low-backlash gear heads as well as open-loop Gecko stepper motor drivers, delivering more power, higher speeds and step resolution, and smoother cutting.

The control system software reads the new open standard for CNC code and OpenSBP as well as the older format for CNC G-Code. The latest version of our control system software is always available for free download from our website.

Best of all, as your needs and shop change, so does your CNC: you can upgrade your PRSstandard to our top-of-the-line, high-performance system by simply adding PRSAlpha Control System, drives and motors.



All PRSstandard tools are available with 8" of Z travel and come in standard sizes of 48 x 48, 96 x 48, and 96 x 60.

## All ShopBot PRSstandard Gantry Tools Include:

- Tough precision linear bearings on the moving gantry and hardened steel rails for the X-axis
- Reliable rack-and-pinion power transmission on each axis
- Low-backlash gearhead stepper motors on all axes
- Smooth Gecko stepper drivers on all axes
- Sealed industrial control box
- Step resolution of .0006"
- Emergency stop disconnect switch and spindle interlock remote pendant
- Z-zero plate and XYZ proximity switches
- Dust skirt ready to connect to your dust collector
- ShopBot Control System software to run your CNC
- Bundled with Vectric's VCarve Pro to create CNC projects
- Fully-assembled gantry module ships along with steel and aluminum table components. The engineering of our structurally integrated table allows on-site assembly and the advantage of placement of the tool in work areas with limited accessibility—while still having a factory squared, aligned, and tested machining system
- We also offer on-site set-up services, as well as training and production process consulting, as options
- Support resources and documentation
- ShopBot Handbook Notebook
- Two-year warranty

### PRSstandard Dimensions (Length x Width x Plunge)

	48-48	96-48	96-60
<b>Cut/ Movement Area</b>	57" x 49" x 8" (1.45m x 1.24m x .2m)	105" x 49" x 8" (2.67m x 1.24m x .2m)	105" x 61" x 8" (2.67m x 1.55m x .2m)
<b>Footprint</b>	L72" x W79" x H67" (1.83m x 2.01m x 1.70m)	L120" x W79" x H67" (3.05m x 2.01m x 1.70m)	L120" x W91" x H67" (3.05m x 2.31m x 1.70m)

Give us a call at **888-680-4466**  
to discuss your production needs.

We'll help you choose the right  
tool to get the job done.



**888-680-4466 • ShopBotTools.com**

## ShopBot PRSstandard Specifications

<b>Drive Motor:</b> Open loop steppers with 3.6:1 gearboxes. <i>Without positional feedback, if attempting to cut too fast or an obstruction is hit, steps could be lost and not noticed until the part file has completed or the operator stops.</i>	
<b>XY Move Speed</b> (with full cutting force):	Variable, max. 360 in/min (9144 mm/min)
<b>Z Move Speed</b> (with full cutting force):	Variable, max. 120 in/min (3048 mm/min)
<b>XY Positioning Speed:</b>	Variable, max 480 in/min (12192 mm/min)
<b>Z Positioning Speed:</b>	Variable, max 480 in/min (12192 mm/min)
<b>Step Resolution:</b>	0.0006" (0.015mm)
<b>Linear Cutting Force:</b>	≈50lbs. at 60 in/min
<b>X, Y, and Z Axis Drive System:</b>	Rack and Pinion
<b>Input Voltage:</b>	110v or 220v single-phase and 230v 3-phase power options are available, depending on tool and configuration
<i>Eight Input Channels (switch closure or 5-volt logic input), Eight Output Channels (5-volt logic level current).</i>	

Connecting the PRSstandard requires the services of a licensed electrician.

Please check the website or contact ShopBot for the wiring information for the set-up you are considering.

## SOFTWARE

No computer degree is needed to run a ShopBot! **Each new ShopBot includes VCarve Pro** CAD/CAM software, selected and bundled for project designing and tool-pathing. The ShopBot Control System software that runs your CNC is also included.

**The ShopBot Control System Software is compatible with many software programs.**

Compatible programs include: Fusion 360 • AutoCAD • Rhino 3D • SketchUp • Aspire • Cabinet Vision • EnRoute • KCD • MasterCAM • MillWizard • OneCNC • Shape 3D • Vector CAD CAM • Visualmill • CabinetParts Pro • DeskProto

## ACCESSORIES and ADD-ONS

- 6" or 12" Rotary Indexer
- Air Drill
- Tangential Knife
- Vacuum Hold Down Systems:  
Becker Blower, Cyclone, Hurricane, Storm
- Vacuum Hold Down Kit
- Hose Cradle Kit
- Dust Collection
- 3D Digitizing Probe

See our website for more details, or ask your salesperson about what accessories and add-ons are right for your needs.

## FREE TECHNICAL SUPPORT

Whether you're new to digital fabrication or a veteran user of CNC technology, ShopBot is here to support your efforts. We provide **free technical support 7 days a week** from our headquarters in Durham, North Carolina. We also have a vibrant online community at talkshopbot.com, sharing tips and advice with other users of digital fabrication technology.

To contact tech support:  
[support@shopbottools.com](mailto:support@shopbottools.com)

Looking for something similar to the PRSstandard that better suits your CNC needs? Ask us about our **PRSalpha** and **PRSalpha ATC** CNC machines.

The ShopBot logo features the brand name in a bold, blue, sans-serif font. The letter 'o' in 'Bot' is stylized with a small robot head icon inside it. A thick blue horizontal line runs beneath the text.

888-680-4466 • [ShopBotTools.com](http://ShopBotTools.com)

We make the tools for making the future.