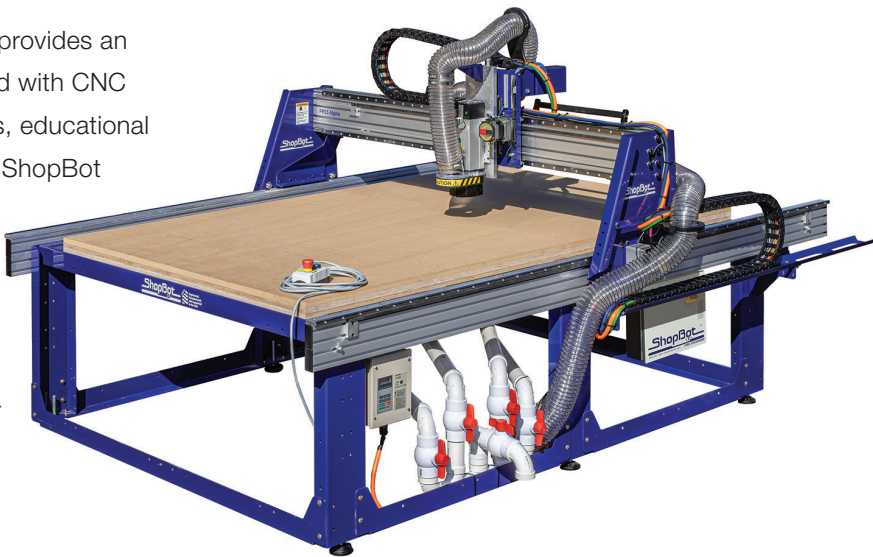


ShopBot PRS5 Standard CNC

Our PRS5 Standard series of full-sized gantry machines provides an affordable gateway for those who are ready to get started with CNC productivity. Ideal for moderate volume production shops, educational settings, hobbyists, sign makers, and woodworkers, the ShopBot PRS5 Standard CNC is capable of cutting, 3D carving, drilling, or machining a variety of materials—including wood, plastic, high density foam, and aluminum.

The PRS5 Standard uses super-tough motors with low-backlash gear heads, and open-loop Gecko stepper motor drivers to deliver power, high step resolution, and fast, smooth cutting.

The table of the PRS5 is a streamlined, modular design that emphasizes stability and accessibility. Table sides and rails are level with the tool bed so materials can be loaded and unloaded easily. All PRS5 Standard gantry tools have 8" of Z travel. Table sizes are available from 48" – 96" and gantry beam widths are from 48" – 60". Custom table sizes, accessories and add-ons are available, including metric bits and collets.



All ShopBot PRS5 Standard CNC Machines Include:

- Low-backlash, tapered-hob gear heads on all drive motors create level torque curve for consistent performance even at high speeds.
- Precision linear rail and bearings on Y-axis and Z-axis for smooth motion; hardened steel track on X-axis resistant to damage from cutting debris.
- Easy to maintain rack-and-pinion power transmission on each axis.
- Cutting speeds of up to 360 inches per minute (depending on cutting bit and material) and rapid speeds of 600 inches per minute.
- Emergency stop disconnect switch and spindle interlock remote pendant.
- Step Resolution of 0.0006
- Z-Zero Touch-Off Plate and XY Limit switches.
- Dust Skirt ready to connect to your dust collector.
- Shipped as four ready-to-assemble modules. On-site assembly and training available.
- ShopBot's own control software.
- Powerful CAD/CAM Software from Vectric (VCarve Pro comes standard, upgrades to Aspire available).
- Lifetime service for your machine with live phone support and detailed documentation on the web.
- ShopBot Handbook Notebook
- Two-year warranty

PRS5 Standard Dimensions (Length x Width x Plunge)

	48-48	96-48	96-60
Cut/Movement Area	56" x 49" x 8" (1420mm x 1245mm x 200mm)	103" x 49" x 8" (2616mm x 1245mm x 200mm)	103" x 61" x 8" (2616mm x 1550mm x 200mm)
Footprint	72" x 79" x 67" (1830mm x 2000mm x 1700mm)	120" x 79" x 67" (3050mm x 2000mm x 1700mm)	120" x 91" x 67" (3050mm x 2310mm x 1700mm)

Give us a call at **888-680-4466** to discuss your production needs. We'll help you choose the right machine to get the job done.



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ShopBot PRS5 Standard Specifications

Drive Motor: 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>	
XY Move Speed (with full cutting force):	Variable, max. 360 in/min (9144 mm/min)
Z Move Speed (with full cutting force):	Variable, max. 120 in/min (3048 mm/min)
XY Positioning Speed:	Variable, max 600 in/min (15,000 mm/min)
Z Positioning Speed:	Variable, max 480 in/min (12192 mm/min)
Step Resolution:	0.0006" (0.015mm)
Linear Cutting Force:	≈50lbs. at 60 in/min
X, Y, and Z Axis Drive System:	Rack and Pinion
Input Voltage:	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" Rotary Indexer
- 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

Looking for something similar to the PRS5 Standard that better suits your CNC needs? Ask us about our **PRS5 Alpha** and **PRS5 Alpha ATC** CNC machines.



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We make the tools for making the future.