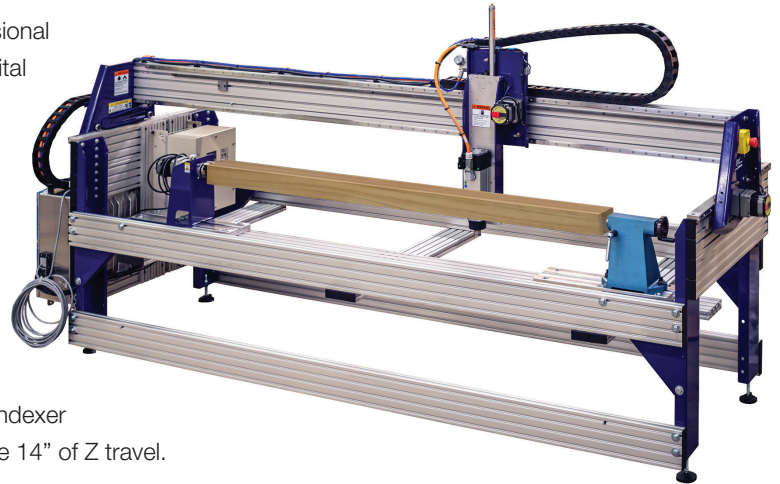# ShopBot Stand Alone Indexer

If you're looking for a CNC solution that allows you to cut full 3-dimensional objects, and delivers affordable, full-production performance in the digital fabrication of wood, plastic, aluminum, and other materials, then ShopBot's Stand Alone Indexer is the right option for your needs.

Using advanced technology for CNC cutting, drilling, carving, and machining, ShopBot's Stand Alone Indexer is like a lathe—providing a rotary axis for turning a part—but in addition, it provides precise "indexed" control over rotation.

ShopBot Stand Alone Indexer standard configurations are available with either a 6" Indexer (with a 9.8" maximum turn diameter) or a 12" Indexer (with a 19.6" maximum turn diameter), 48", 60", or 72" X-axis and have 14" of Z travel.

Want something bigger? Larger indexers, for an increased turn diameter, and custom sizes are available, as well as dual Z options.

Stand Alone Indexer shown here customized with 108" X-axis, and 12" Indexer.

ShopBot Stand Alone Indexer 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
- Fast, closed-loop alphaStep motors fitted with low-backlash, tapered-hob gear heads on all three axes — alphaStep system monitors motor shaft positions with feedback maintaining tight synchronicity between signal and motion
- Sealed industrial control box
- Step resolution of .0004"
- Emergency stop disconnect switch and spindle interlock remote pendant

- Z-zero touch-off 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
- Ships fully-assembled
- 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

Connecting a ShopBot Stand Alone Indexer 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.

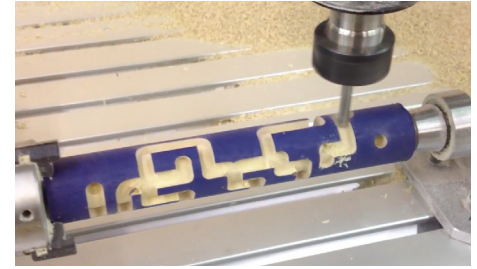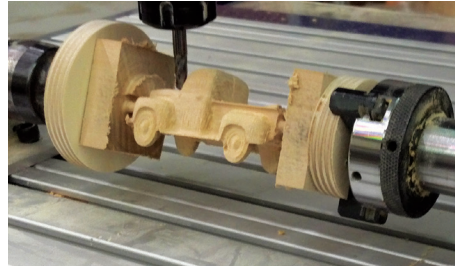### ShopBot Stand Alone 6" & 12" Indexer Dimensions (Length x Width x Plunge)

	6" Indexer *Cutting area with 8" of travel to the center of rotation*			12" Indexer *Cutting area with 14" of travel to the center of rotation*		
	48-21-9.8	**60-21-9.8**	**72-21-9.8**	**48-21-19.6**	**60-21-19.6**	**72-21-19.6**
Cut/ Movement Area**	49" x 21" x 9.8" (1.24m x .53m x .25m)	61" x 21" x 9.8" (1.54m x .53m x .25m)	73" x 21" x 9.8" (1.85m x .53m x .25m)	49" x 21" x 19.6" (1.24m x .53m x .497m)	61" x 21" x 19.6" (1.54m x .53m x .497m)	73" x 21" x 19.6" (1.85m x .53m x .497m)
Footprint	L72" x W36" x H67" (1.83m x .91m x 1.70m)	L96" x W36" x H67" (2.44m x .91m x 1.70m)	L108" x W36" x H67" (2.74m x .91m x 1.70m)	L72" x W36" x H67" (1.83m x .91m x 1.70m)	L96" x W36" x H67" (2.44m x .91m x 1.70m)	L108" x W36" x H67" (2.74m x .91m x 1.70m)

**Actual cutting width is decreased by 10" when using a second Z-axis.

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.

ShopBot ®

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ShopBot Rotary Indexer

The ShopBot Rotary Indexer allows you to cut full 3-dimensional objects on your ShopBot. Like a lathe, it provides a 4th rotary axis for turning a part, but in addition, provides precise "indexed" control over rotation. With an indexer, not only can you do lathe work but you can also create spindles, newel posts, table legs, 3D sculptures, and more!

The ShopBot Rotary indexer comes in three different sizes, and can be purchased with new tools or retro-fitted to older tools.

3" Rotary Indexer

Available for Desktop, Desktop MAX, Desktop MAX ATC, and both PRSstandard and PRSalpha model ShopBot Buddy and Gantry Tools

	Desktop	Desktop MAX & Desktop MAX ATC (short axis)	Desktop MAX & Desktop MAX ATC (long axis*)	ShopBot Buddy and Gantry
Max Turning Diameter (inches)	3.6	3.6	3.6	3.6
Max Turning Length (inches)	19.5	19.5	36	Same as X-axis of tool**

* Mounting the indexer in this way requires purchasing an adapting base   ** For very long objects, torque may become a limiting factor

6" Rotary Indexer

Available for Desktop MAX, Desktop MAX ATC, and both PRSstandard and PRSalpha model ShopBot Buddy (with 12" Z-axis) and Gantry Tools

Desktop MAX (2017 and newer) and Desktop MAX ATC		
	Frame Mount	Deck Mount
Max Turning Diameter (inches)	8 (with 1.5" bit)	4.5 (with 2" bit)
Max Turning Length (inches)	36	36

	Buddy with 12" Z-axis	Gantry Tools with 8" Z-axis			Gantry Tools with 14" Z-axis		
		Hanging Mount	Rail Mount	Table Mount	Hanging Mount	Rail Mount	Table Mount
Max Turning Diameter (inches)	9.8	9.8	5.5*	4	9.8	5.5**	9.8
Max Turning Length (inches)	Nominal† length of Powerstick	Nominal† width of table minus 14"	Nominal† length of table minus 6"	Nominal† length of table minus 20", or width of table minus 18"	Nominal† width of table minus 14"	Nominal† length of table minus 6"	Nominal† length of table minus 20" or width of table minus 18"

*Up to 7.5" if only cutting along the centerline (i.e. lathe work or wrapped toolpaths)   **Up to 9" if only cutting along the centerline (i.e. lathe work or wrapped toolpaths)
†Nominal values refer to the advertised cutting area of a tool. For example, a 96x48 gantry tool has a nominal length of 96" and a nominal width of 48"

12" Rotary Indexer

Available for PRSalpha model Gantry Tools only.

	Gantry Tools (8" or 14" Z-axis) Hanging Mount Only	Gantry Tools (14" Z-axis only) Rail Mount
Max Turning Diameter (inches)	Up to 19.6	Up to 14
Max Turning Length (inches)	Nominal width of tools minus 17"	Nominal length of tool minus 8"

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