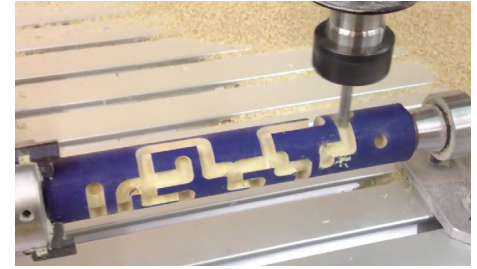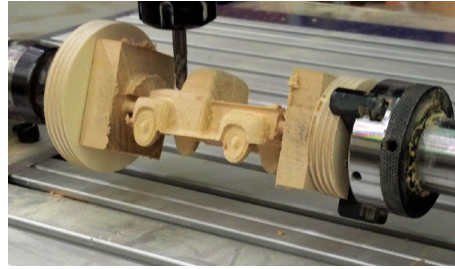# ShopBot Rotary Indexer

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"

Give us a call at **888-680-4466** to discuss your production needs. We'll help you choose the right tool to turn your ideas into reality.

ShopBot®

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