

# ShopBot Desktop CNC Router



<b>ShopBot Desktop CNC Router</b>	
<b>Tool Type:</b> "CNC Router"	
<b>Location:</b> "Innovations Workshop"	
<b>Supervisor</b>	<b>Tool Lead</b>
David Bothman	"WW Name"
(805) 893-4125	(###) ###-####
bothman@cnsi.ucsb.edu	"WW Email"
<b>Description:</b> "Benchtop CNC Router"	
<b>Manufacturer:</b> "Shop Bot Tools"	

## About

The ShopBot Desktop CNC Router is a small computer controlled vertically mounted router that is set up similar to a CNC milling machine. Sized between the Carbide 3D and the Haas CNC mill located in the microfluidics lab, the shop bot lacks the rigidity its bigger brother but is still well suited for cutting wood, plastic, and even softer metals with a shallow depth of cut and conservative feed rates.

## Training Documentation

[Shopbot Desktop Training SOP](#)

## Detailed Specifications

Bed size: 36 x 24 inches  
 X, Y, Z movement: 25.2 x 20 x 5.5 inch  
 Spindle speed: 6,000 - 18000 rpm  
 Tool holder type: ER20  
 X, Y, Z accuracy: +- .005 inch

Max cutting speed: 4 ips

---

## Safety Concerns

Insert Text Here!

---

## Reference Documentation

[shop\\_bot\\_command\\_reference.pdf](#)

[shop\\_bot\\_quickstartguide.pdf](#)

[shopbot\\_user\\_guide.pdf](#)

---

From:

<https://bpm-wiki.cnsi.ucsb.edu/> - NSF BioPACIFIC MIP Wiki

Permanent link:

[https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=shopbot\\_desktop&rev=1599845747](https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=shopbot_desktop&rev=1599845747)

Last update: **2020/09/11 17:35**

