ShopBot Desktop CNC Router

ShopBot Router

Tool Type: CNC
Location: Elings 2442
Description: Benchtop CNC router
Manufacturer: ShopBot

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 of 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.

Safety Concerns

- Safety Glasses must be worn when machine is running
- The acrylic enclosure doors must be closed before starting a job or homing/touching off the machine
- The spindle must be completely stopped before adjusting or removing work piece or changing the tool
- After milling is completed, the work piece will have developed sharp burrs which must be removed with a hand file or sandpaper

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

Reference Documentation

shop_bot_command_reference.pdf

shop_bot_quickstartguide.pdf

shopbot_user_guide.pdf

ShopBot training videos

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