handibot®
smart power tool

Unboxing Me and Starting Your First Cut!

1 Remove the top layer of the foam packaging

2 Your handibot is bolted to a piece of wood that protected it during shipping and will be used for the first test cut with your new tool! Lift the tool out of the box by the two yellow handles.
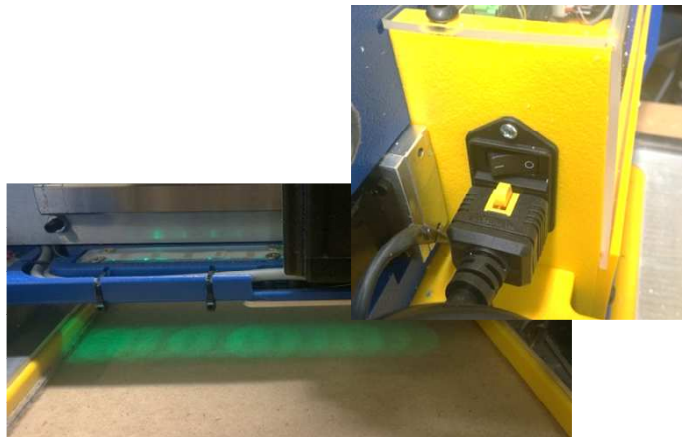

3 Set your tool on a flat surface. Make sure there is plenty of open space around the tool so that nothing gets knocked over when the tool moves around. Open the hood and remove the safety manual that is tucked behind the vacuum hose.
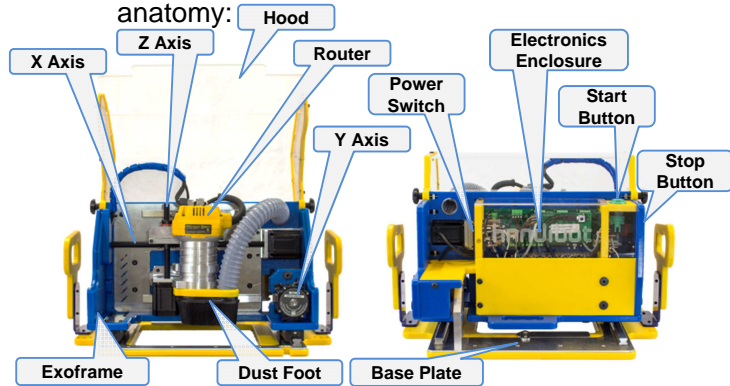

4 The power cord for your tool is wrapped up on the rear of the frame. Pop the cord out of its holder and plug it in.
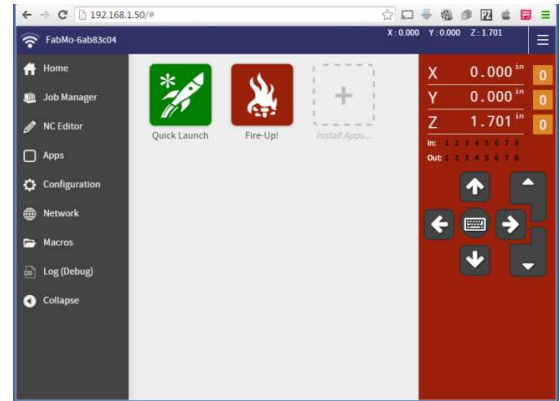

5 Turn on the power switch about the cord on the back of your handibot. Green lights should come on underneath the tool.
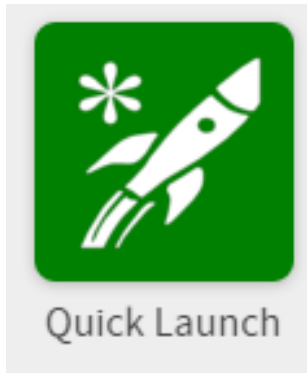
6 Your control software needs a little bit of time to boot up. Best to give it a few minutes the first time. While you're waiting get a cup of coffee…maybe a snack…While you enjoy your coffee, here's a brief overview of handibot's anatomy:

Labels: Hood, Z Axis, X Axis, Router, Electronics Enclosure, Power Switch, Start Button, Y Axis, Stop Button, Exoframe, Dust Foot, Base Plate

7 Open your internet browser and type "192.168.42.1" into the address bar. After pressing enter, your handibot dashboard should appear.

8 To follow a short tutorial for setting up your tool and to make your first cut, click on the green Quick Launch app and follow the in-app instructions before returning to this guide.

Quick Launch

9 Now that you've finished your first cut, take a look at the rest of the contents of your Handibot box. These are your two most important tools. 17mm collet wrench for changing bits. The 4mm T-handle hex key will be used to release the router from its bracket and can turn most of the screws used to build your handibot.

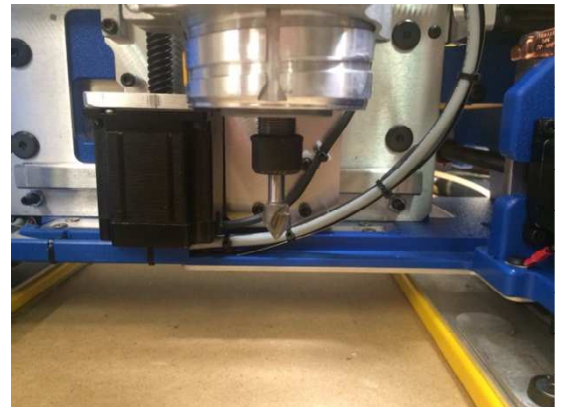**10** Your handibot comes with three router bits.

1/8" Straight bit. This bit is great for cutting small parts with tight corners. The straight edge on this bit will also provide a nice finish in wood.
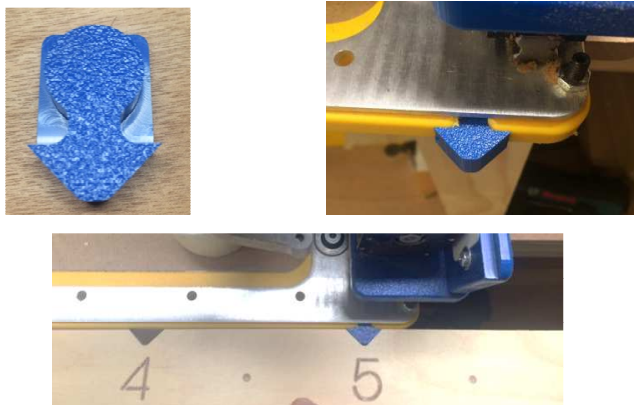
1/4" Up-cut bit. This long bit will be great for pocketing out larger areas and cutting through wood quickly. The up-spiral of the cutter clears chips better than the straight bit but also tends to lift your material

11 The bit held in your router is called a "v-bit". It has a sharp point that is great for engraving lettering and other detailed shapes.

12 Your blue pointer can be inserted into the front of your tool to accurately position the tool using a jig like our large material indexing jig.
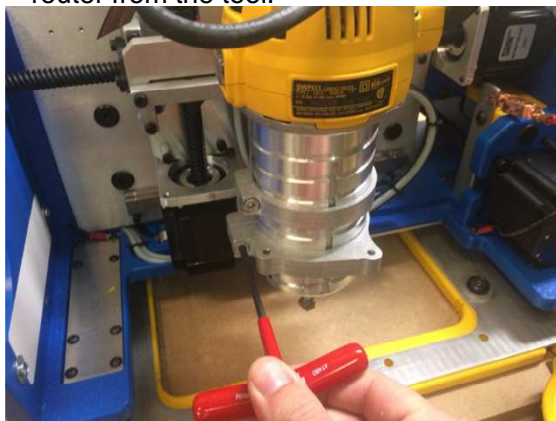

13 Here's how to change your router bit out for your next cut. First, unplug the router power from the orange plug peeking over the z-axis plate.

14 The dust foot is held in place by 4 magnets. Remove it by pulling firmly down until it disengages.

15 Using your 4mm wrench, loosen the two router bracket screws so that you can remove the router from the tool.
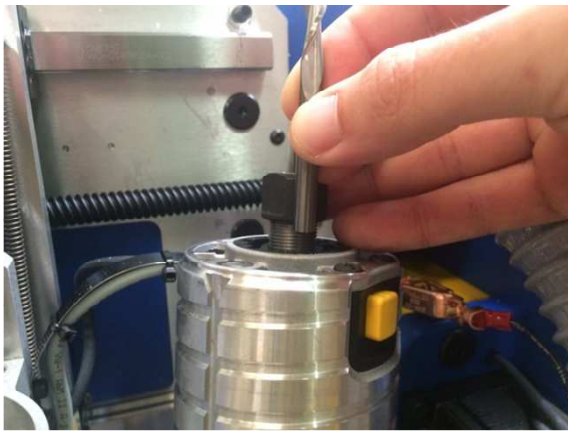

16 Flip the router over and, using your 17mm wrench, unscrew (counter clockwise) the collet nut while pressing the yellow button on the side of the router to lock the spindle.

17 Once the collet nut is loose, you should be able to easily pull the bit out of the router.

18 Choose the bit that you'd like to insert. It's best to have about ¾" of the bit's shank inserted into the collet.
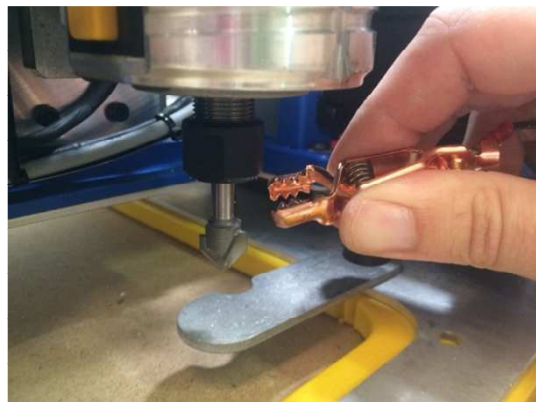

19 With the bit inserted, depress the yellow button and tighten the collet nut (clockwise) with your 17mm wrench.

20 Slide the router back into its bracket and tighten the two bracket bolts with your 4mm wrench

21 Use the commands in your quick launch app to zero your new bit before starting your next cut.

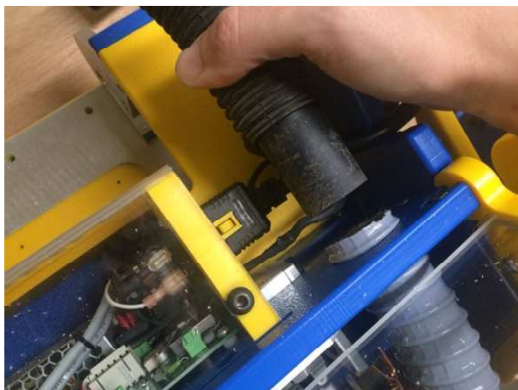**22** Place the vacuum foot back over your router if you've removed it.

23 Be sure to close the hood before you begin any cuts.

24 If you have a vacuum, insert a 1.25" fitting into the end of the vacuum tube at the back of your tool.

25 Don't forget to read (and keep handy) your safety manual!