

Rat Rig

CNC Machine Overview

Written By: Rat Rig

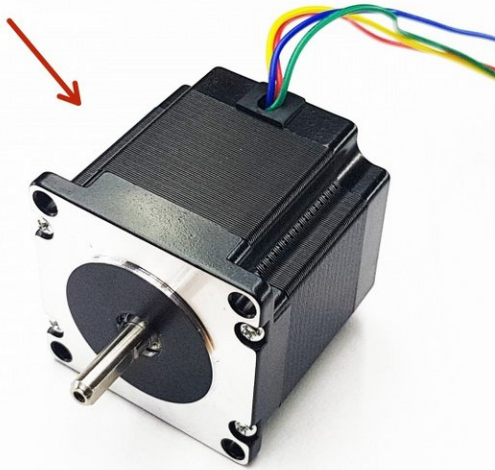


Step 1 — Router

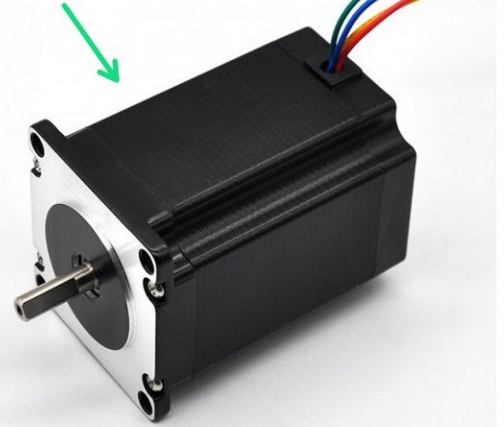


- Our CNC Machines do not include the Router / Spindle Mount by default.
- In order to accommodate the router/spindle in your CNC Machine, you will have to choose the mount with the correct diameter for your tool clamping collar.
- The [Router11](#) mount has a diameter of 65 mm, as the [AMB CNC Spindles](#) have a 43 mm diameter. If your tool have a different clamping collar diameter, you can choose any of the available diameters: 43, 52, 65, 71 and 80 mm.

Step 2 — Motors

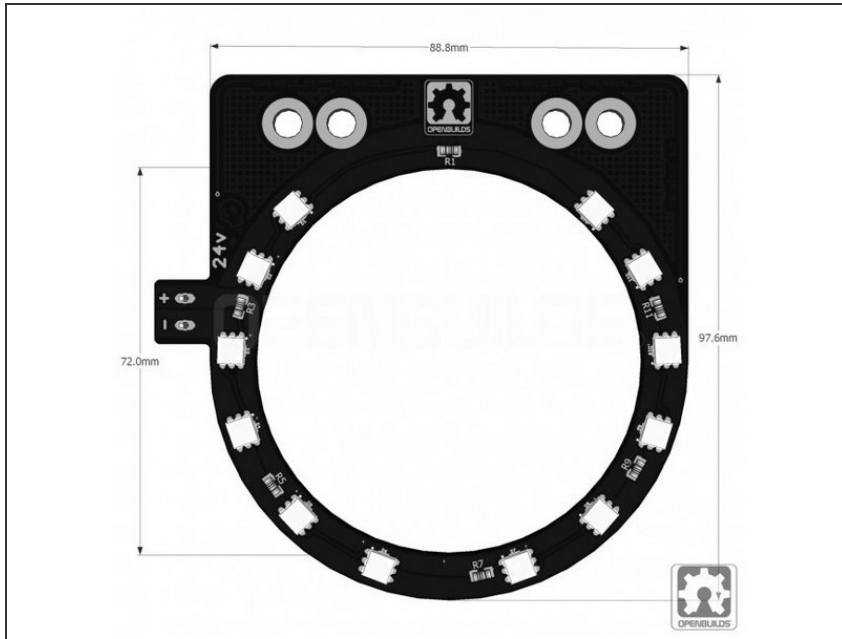


 LDO MOTORS



- Nema 23 Standard Motor - these motors are perfectly adequate to cut/mill acrylic, PVC, MDF, wood and other soft materials. Spec sheet for the motor can be found on the images of the [product page](#).
- Nema 23 High Torque Motor - choose these motors if you want to cut harder materials, like aluminium. Spec sheet for the motor can be found on the images of the [product page](#).

Step 3 — LED Light Ring



- This is an optional part that goes under your spindle mount, creating a small pool of light in the area where the tool is working on.
- If you add the LED Light Ring as an option on your CNC Machine product configurator, we will ship it with a 5500mm Cable by default. This is the length necessary for the largest size machine we sell. You can cut the cable to length if your machine is smaller.

⚠ The LED Light Ring is not compatible with:

- Lead CNC 1515
- 80mm Spindle Mount