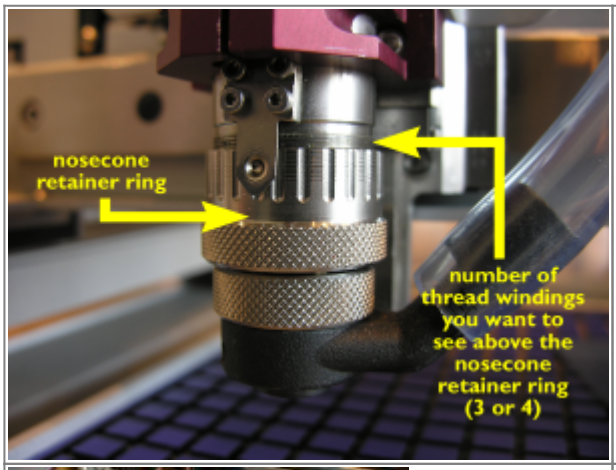
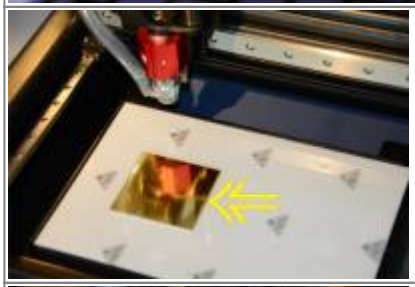
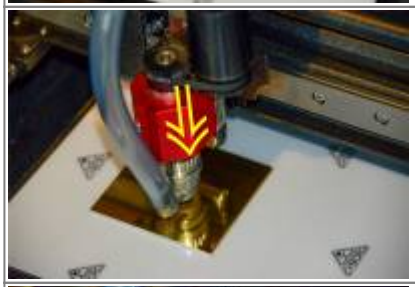
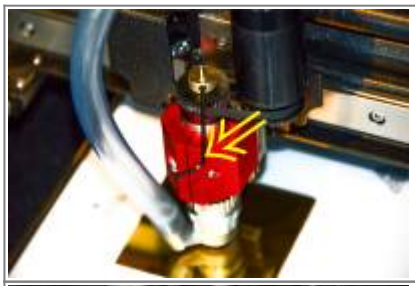
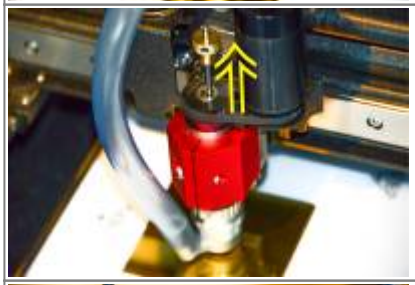
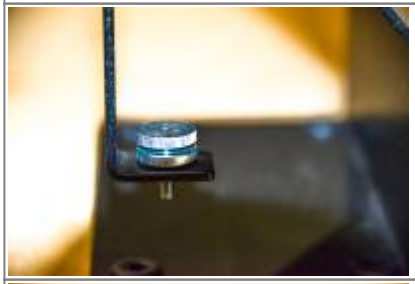
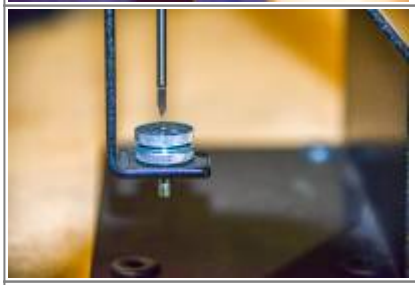
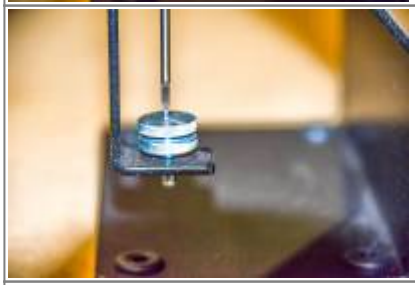
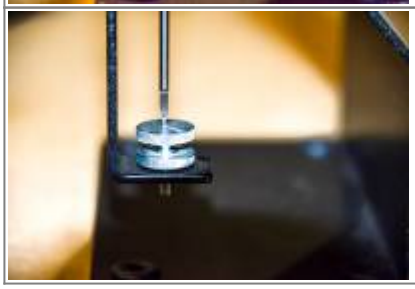
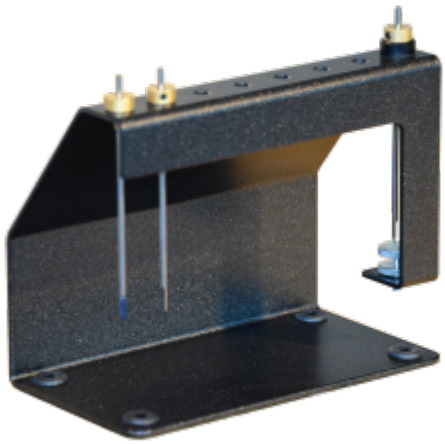
# Setting up a tool

## How to use the cutter calibration stand

| | |
|---|---|
|  | * Rotate the graduated nosecone retainer ring up till about 3 or 4 threads are still visible above it. |
|  | * Put a metal plate somewhere on the Multimat on the engraving table and move the spindle above it. |
|  | * Move the spindle down till the nosecone touches the metal plate. |
|  | * Put a cutter knob into the spindle and turn it anticlockwise to secure it. |
|  | * Push a cutter through the cutter knob and all the way through the spindle till it touches the metal plate. |

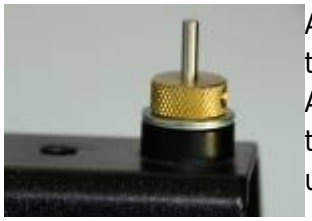
| | |
|---|---|
|  | * Use a 2mm hex wrench to fix the cutter knob to the cutter. |
|  | * Unscrew the cutter and the knob from the spindle (unscrew clockwise). |
|  | * On the Cutter stand screw the depth setting screw all the way down but do not lock it. |
|  | * Put the cutter with the cutter knob into the cutter stand through the black top cylinder with left thread. |
|  | * Screw the cutter knob and the cutter anticlockwise to lock them. |
|  | * Gently rotate the depth setting screw up till it touches the cutter tip. |
|  | * Use the locknut to lock the depth setting screw in that position. |

| | |
|---|---|
|  | * You can now preset all your cutters in the cutter stand. When you change a cutter in the engraver, it will automatically reach the same engraving depth. |

## Installing an engraving tool

After having calibrated your tools in the tool calibration stand, installing an engraving tool in the spindle is really easy. The cutter with cutter knob has to be screwed counterclockwise into the spindle. Screw and tighten the cutter and its knob by hand, do not use pliers.
In case the cutting depth is not right, you can increase the cutting depth by screwing the depth nose retainer ring up on the spindle, or you can decrease the cutting depth by screwing this graduated ring down.

## Installing a scoring tool



A scoring tool is very similar to an engraving tool. The cutting angle is 45° and the purpose of this tool is to obtain a chamfered edge at your engraved plates. A scoring tool is inserted exactly like a normal engraving tool. To preset it in the tool calibration stand, put a washer with specific thickness, e.g. 0.7 mm under the cutter knob, as in the image on the left.

## Installing a diamond scratch tool



A diamond scratch tool is inserted in the spindle just like a normal engraving tool. The only difference with a normal engraving tool is that you preset it, just like a scoring tool, with a washer just under the cutter knob. Another difference with a normal engraving tool is that you do not want the spindle to rotate when a diamond tool is being used. You can select the “no rotation” option for the spindle in the virtual pendant’s menu, as shown below.

## How to remove a tool from the spindle

To remove a tool, you do the opposite of inserting a tool, meaning you unscrew the cutter knob in the clockwise direction. This is the same for engraving, scoring and for diamond scratch tools.

**Continue to using the depth regulation nose.**
**Continue to the table of contents.**

From:
https://manuals.cyborg-engravers.com/ - **cyborg-engravers**

Permanent link:
**https://manuals.cyborg-engravers.com/doku.php?id=en:x300:tool_setup&rev=1668855610**

Last update: **2022/11/19 12:00**