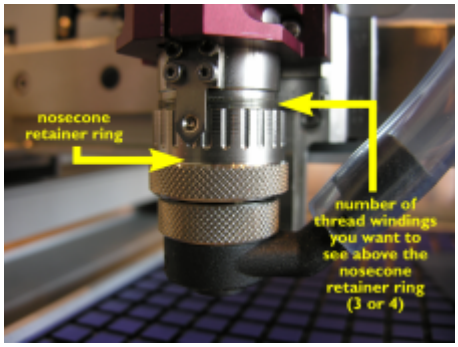
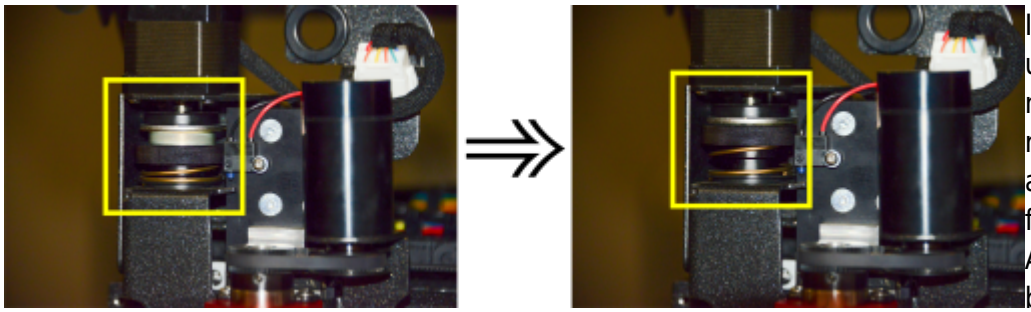
How to use the depth regulator nose

In the previous section you have learnt how to use the depth regulator ring. Take a close look again at the following images:

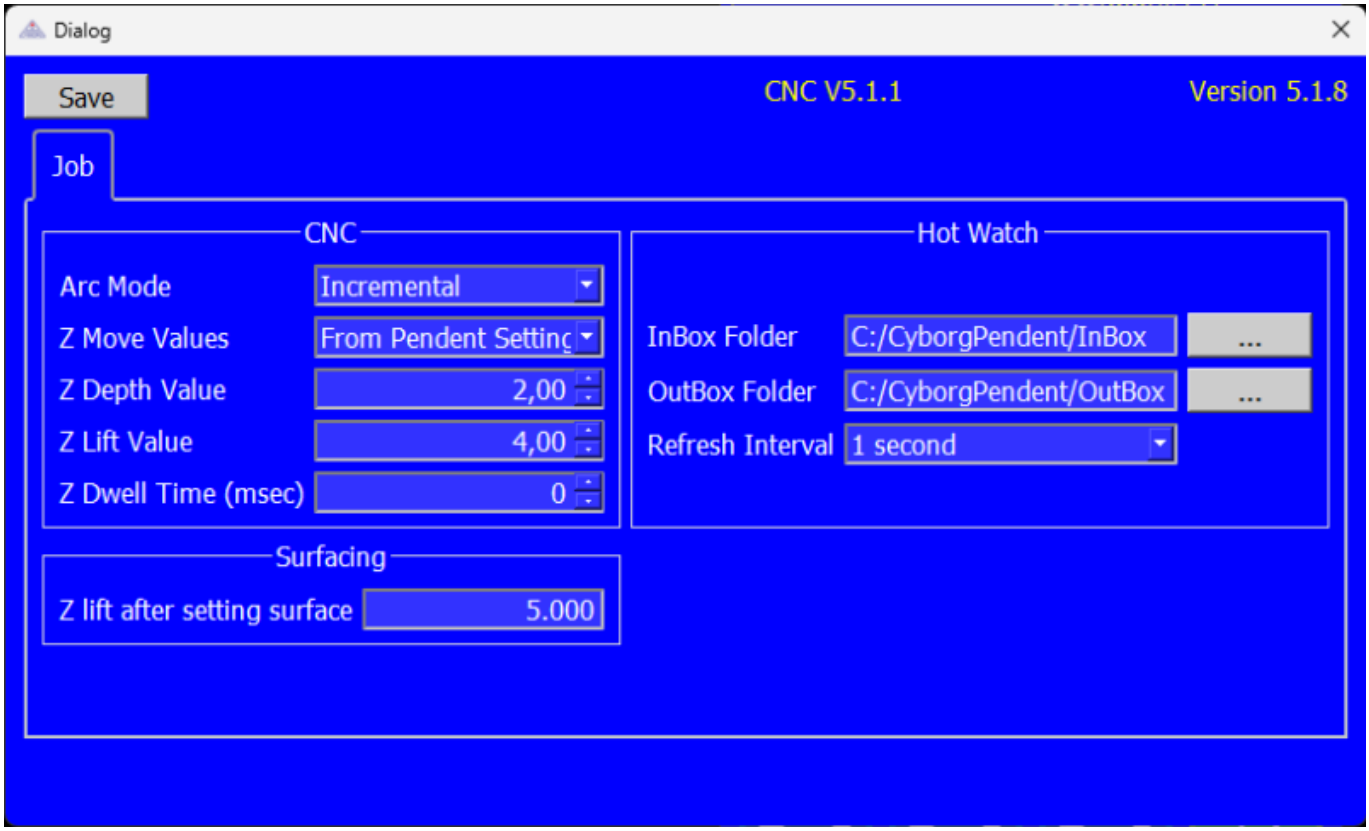




If you want to engrave using the nosecone, make sure the nosecone retainer ring is positioned as in the image on the far left.
At the same time the black knurled spring pressure ring should be rotated upwards and be positioned as in the third image on the left.

Setting the "Z depth value", "Z lift value" and the "Z lift after setting surface":

- Click with your right mouse button on the “?” in the top bar of the virtual pendent window, hold the “ctrl” and the “shift” keys simultaneously and left click on “preferences”. In the window which is opened click on the “Job” tab. In the “CNC” and the “surfacing” sections these 3 variables can be entered. (see the image below).
- Make sure that the variable “Z Move Values” is set to “From Pendent Setting”, as shown in the image below.



- To return to the virtual pendent window click on the “save” button.

Engraving

1. Using the jog keys move the engraving spindle a few centimeters to the right and the engraving table to the rear. The spindle has to be positioned somewher above the plate to be engraved, but not in the top left corner.
2. Unscrew the cutter knob with the cutter a little bit (turn the knob clockwise), so that the cutter’s tip does no longer pass through the nosecone.
3. Press the Z-down key till the nosecone just touches the engraving plate’s surface. Do this using a low jogging speed.
4. click on the key “set plate surface” (). The following window will be opened:



* Het getal “9.23” is een toevallig getal, dat kan ook een ander getal zijn, afhankelijk van hoe diep je de spindel omlaag beweegt.
* Druk je nu de “Enter” toets in dit venstertje dan wordt de actuele positie Z=0.0,
* De spindel beweegt vervolgens 5.0 mm omhoog (Als de “Z lift after setting surface” ingesteld is op 5.00)
* Bij het graveren van een job beweegt het spindeltje naar Z=0.0 en vervolgens 2.0 mm dieper (als de “Z depth value” ingesteld is op 2.00)
* Het veerdruksysteem zorgt ervoor dat de drukveer dus 2.00 mm ingedrukt wordt.
* Tussen 2 gegraveerde letters beweegt het Z-as motortje 6.0 mm omhoog (als de “Z depth value = 2.00” en de “Z lift value = 4.00”).
* Start nu je graveerjob. Bij de eerste Z-omlaag beweging in de job zal

de neusconus eerst het materiaaloppervlak bereiken. Het spindeltje kan dan niet meer dieper zakken. De Z motor daarentegen draait nog even verder...

Ga verder naar the use of the spindle spring pressure.
Continue to the table of contents.

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