With **DATRON CNC** and the "NEXT" Controller, a new type of communication has been implemented in **TypeEdit V13** Build D Software: The post scripting. We have developed 2 kind of post-processor, depending on the UNIT you will be using: MM or INCH.

To install properly the machine output, you will need 2 files:

- **DATRON Next SimPL (MM).MAC**
- **DATRON_MM.txt**

For INCH they are named:

- **DATRON Next SimPL (IN).MAC**
- **DATRON_IN.txt**

While the first file format **.MAC** will have to be saved and installed as any postprocessor, the second will have to reside in a specific SCRIPT folder. Please follow below the installation process:

1. **Save the .MAC file in the Postprocessor folder of TypeEdit:**
   (DATRON Next SimPL (MM).MAC or **DATRON Next SimPL (IN).MAC)**

   Under the C: drive and the **TypeEdit** installation there is a "**POSTPROTE**" folder with already hundreds of saved machines. Add the **.MAC** file to this folder to be able to find it from your **TypeEdit** installation screen.
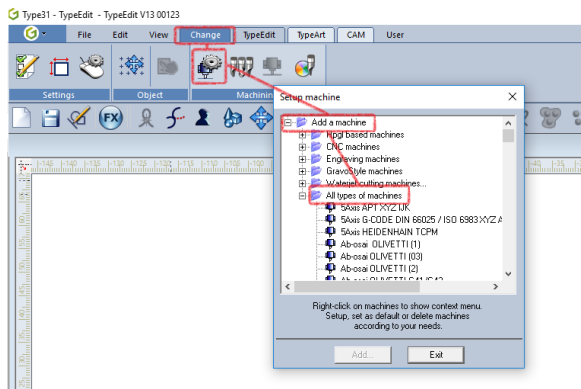
   The default path is C:\TypeEdit_VXX-LaserType_VXX\POSTPROTE

2. **Save the .TXT file (script) in the "MachiCodec" folder of TypeEdit (DATRON_MM.txt)** or **(DATRON_IN.txt):**
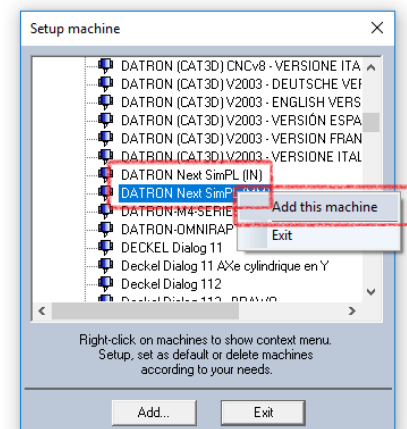
   Under C:\TypeEdit_VXX-LaserType_VXX\MachiCodec the **.TXT** file needs to be saved in there accordingly.

3. **Installing the Postprocessor inside TypeEdit:**

   Open **TypeEdit** then go to the "Change" tab and click the "set up machine" icon.

   Expand with the "+" sign on the left the list with "All types of machines" and look for the DATRON SimPL (IN) or DATRON SimPL (MM) postprocessordepending to your unit.

You may need to change the dimension Min/Max of XYZ according to your machine's size or also completely change its name such as: "ML CUBE NEXT"
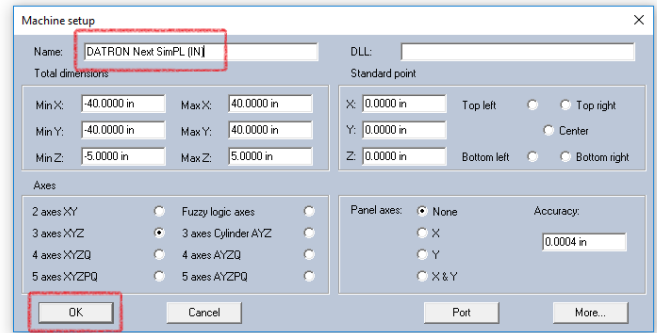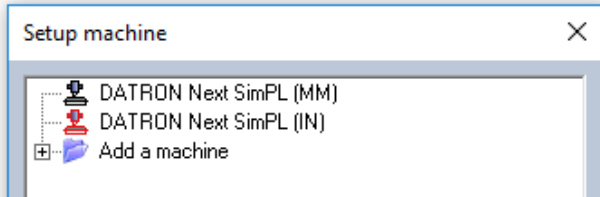
**4. Setting up a tool in the tool database for the SimPL language output:**

You <u>MUST</u> define in the tool database the **Reference** section properly, because the controller checks this reference to tun the cycle and not the tool's number index, as it is usually done for other postprocessing process with **TypeEdit** and other machine brands.

Please take the file TeToolDataBase.dbt enclosed with this Word document to run with DATRON NEXT machine and copy / replace it in the CONFIG folder accordingly.
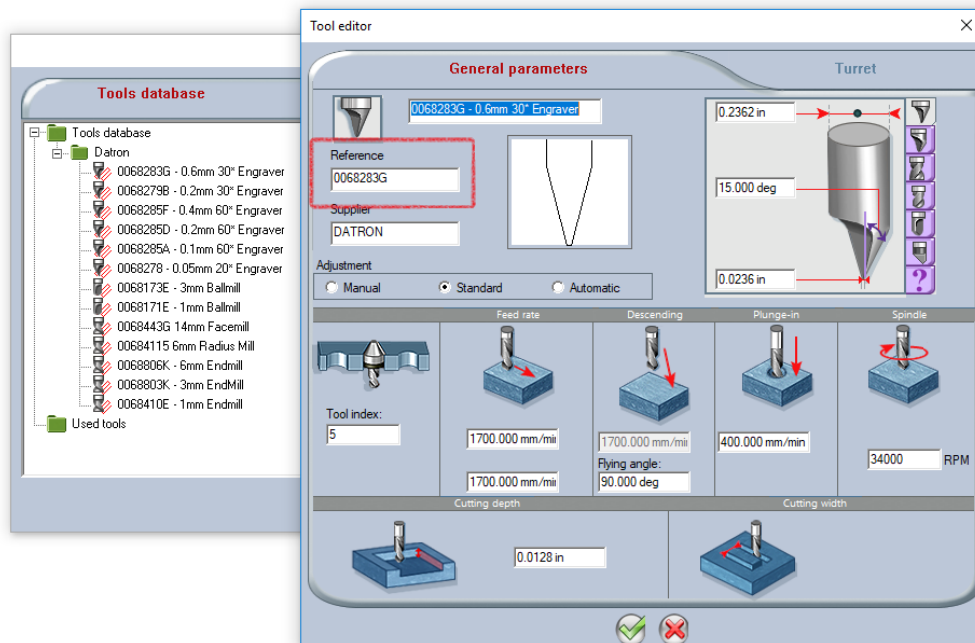
5. Setting the material size in TypeEdit

The controller will check the bounding box of the material and the toolpath. This one MUST be fitted inside of the box of the material. You will have a preview in the DATRON NEXT interface simulation then.
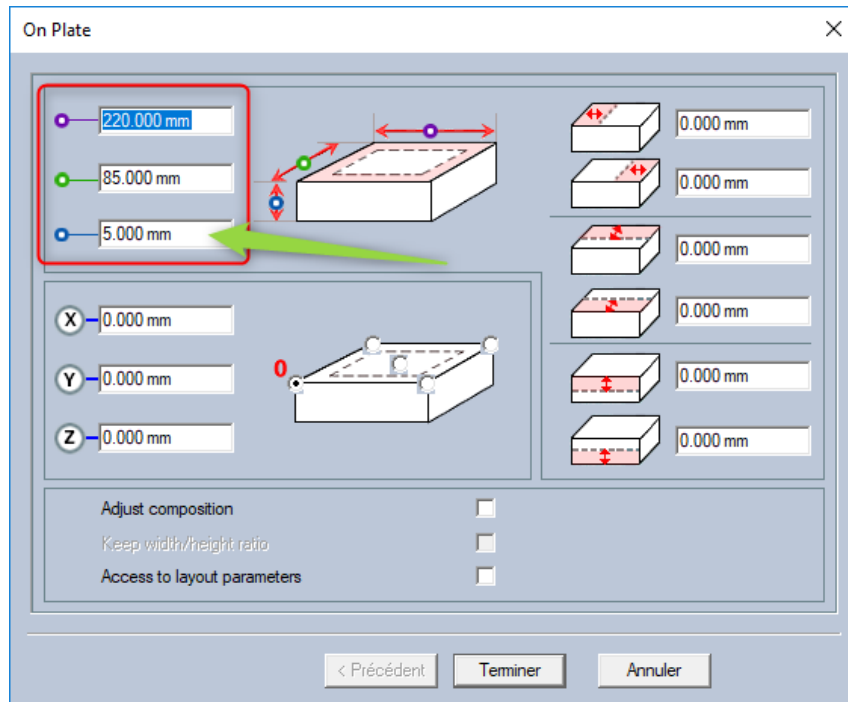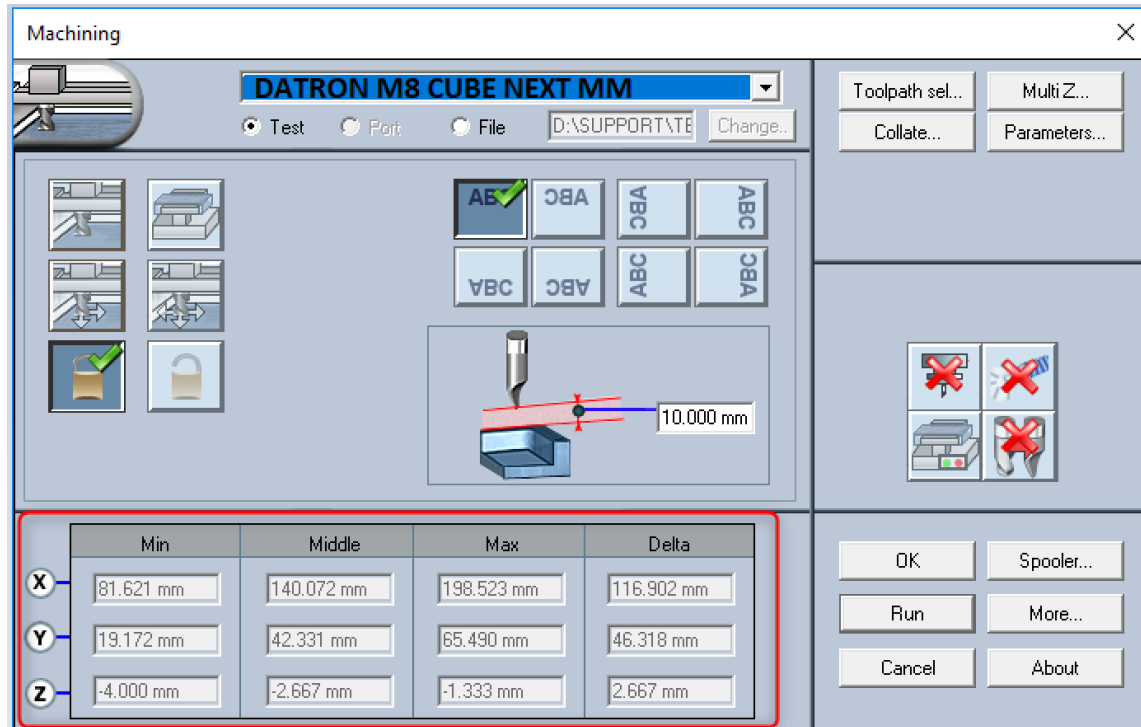

NOTES:

- Make sure the Z Max depth set in the toolpath will not overpass -5 mm for this example.
- The reference Z zero is always set at the top of the material.
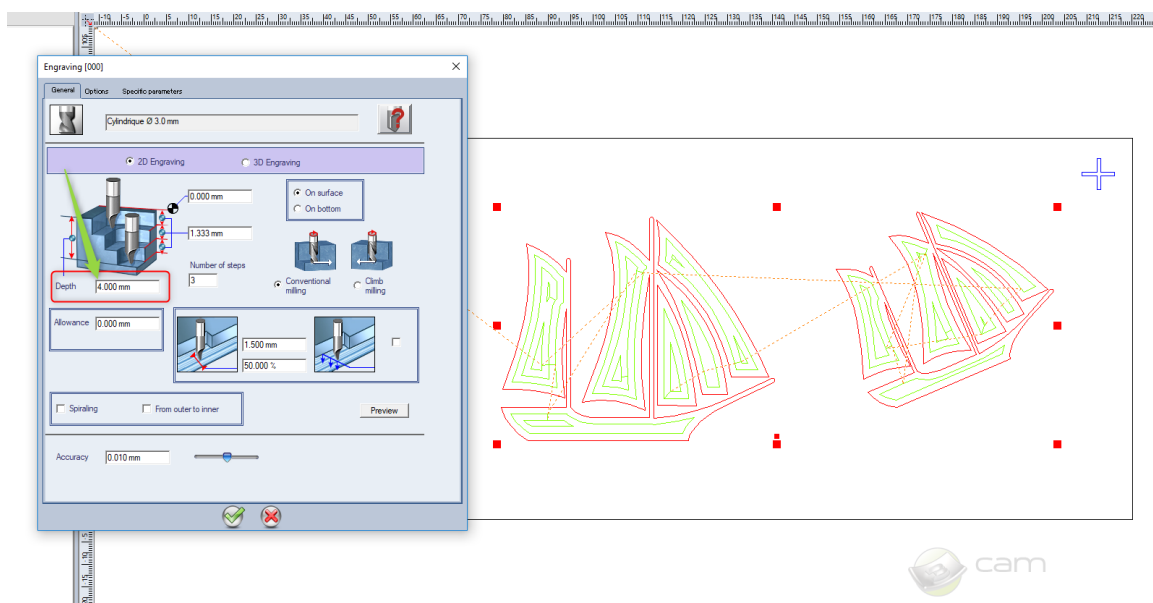
In the current example the bounding box of the toolpath has been perfectly set within the MATERIAL.

ADDITIONAL NOTES:

- Concerning the lubrification, it is recommended to activate it directly or not from the "Next" interface on the machine.

Please refer to your Type3 Regional Technical Support Department for any other assistance.