How to create a new tool in the tool database?

ArtClip3D comes with a comprehensive database of tools assigned with specific feed rates and spindle speed in accordance with the most used type of materials. It may happen that a tool is missing in the tool database and that you need to customize one for a specific job.

- *From the Machining Menu, select the "**Tool Database**…" command. The tool database windows pops up.*

- *Select the **Unit** you want to save this tool in such as **INCH tools group**.*

- *Right click the **Customs** group and select the "**Add a new tool**…" command.*
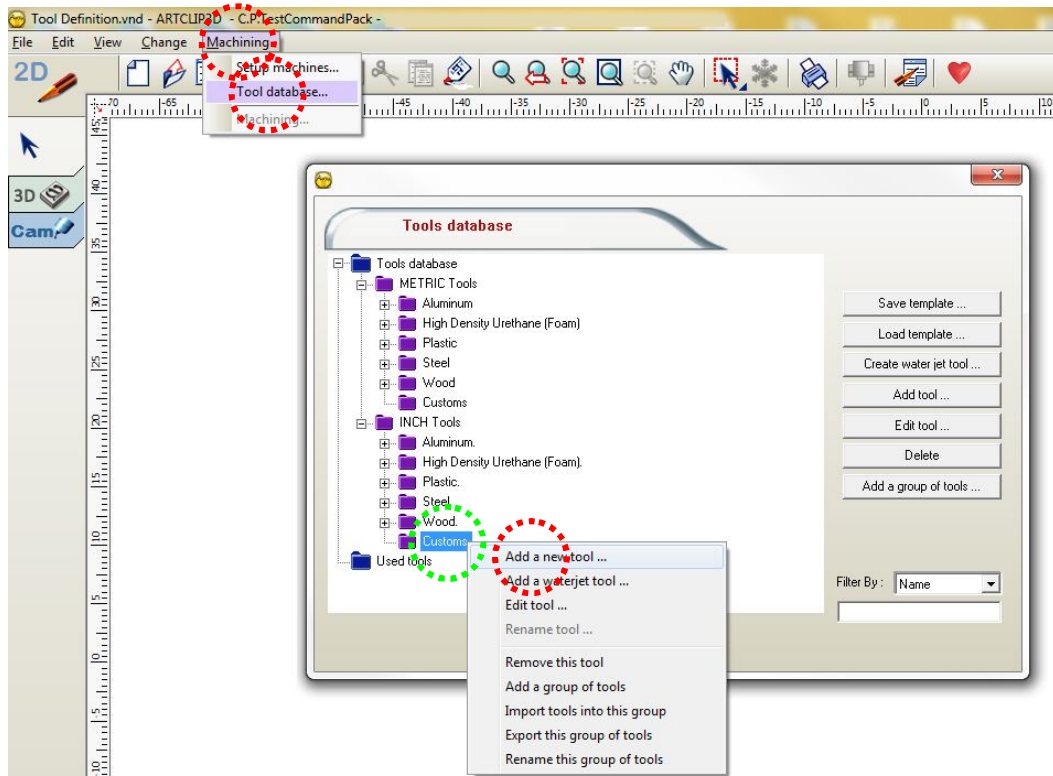
𝒥.**Note:** *The access to the tool database can also be made from the **Cam** module and the **Tool database** icon.*

Type here the name you wish to give to your tool.

The Reference field allows keeping the reference from your tool supplier helping in re-order tooling.
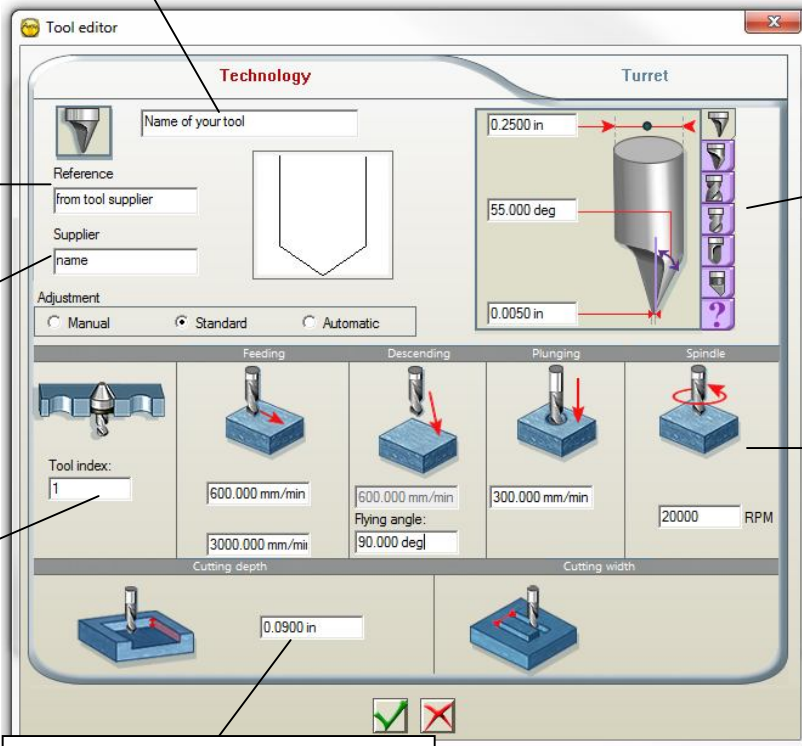
In case you would have several tool suppliers you can enter here its name.

The tool index is useful when you want to set a multi tools machining. This number will be present in the G-code.

This column gathers all the tool shapes available Conical, Ball nose…

Feed rates and Spindle speed can be defined in these various fields.

The maximum depth of cut will define the capability for your tool to take a step and to optimize the machining type. It is also a good way to increase the tool life.

Tool editor

Technology | Turret

Name of your tool

Reference
from tool supplier

Supplier
name

Adjustment
Manual | Standard | Automatic

0.2500 in

55.000 deg

0.0050 in

Feeding | Descending | Plunging | Spindle

Tool index:
1

600.000 mm/min
3000.000 mm/min

600.000 mm/min
Flying angle:
90.000 deg

300.000 mm/min

20000 RPM

Cutting depth | Cutting width

0.0900 in

Once completed the tool editor sets the tool created within its list and then it can be used at any time for your various machining.

Tools database

Tools database
  METRIC Tools
    Aluminum
    High Density Urethane (Foam)
    Plastic
    Steel
    Wood
    Customs
  INCH Tools
    Aluminum.
    High Density Urethane (Foam).
    Plastic.
    Steel.
    Wood.
    Customs.
      Name of your tool
  Used tools

Save template ...
Load template ...
Create water jet tool ...
Add tool ...
Edit tool ...
Delete
Add a group of tools ...

Filter By : Name

↲.Tip!

When the tool database is quite loaded in tools, you can use the Filter by option. This will allow finding a tool quickly from either its name, tip or reference name.

Filter By : Reference

Look up