Tooldatabase-Parameter

Tebis

Hoffmann Group

Tooldatabase for „Connected Manufacturing"

Which parameter do we need and why?

Background:

- „Connected Manufacturing" is creating the „digital twin" of the existing tool and connects them with eachother
- Through this all tools can be localized and the needed data can be sent to the machine or presetting device

General:

- Toolassembly = Cutter + Baseholder
- If Hoffmann-Article-Numbers are maintained, the data can be automatically enriched
- Tools can be identified with „Name" or „Tool-Nr."
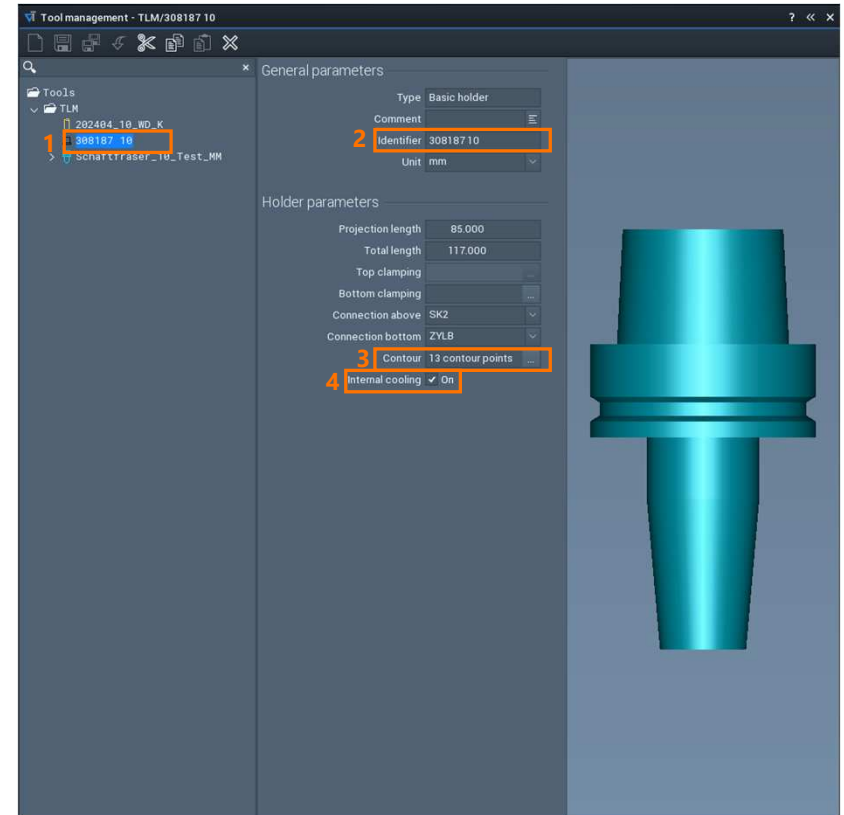
Tebis Tooldata

Cutter data

- 1. <u>Name</u>: here you can change the name of the cutter. The name is for a clearly identification of the tool (**required**)

- 2. <u>Identifier (Articlenumber)</u>: here you can put in the Hoffmann-Articlenumber of the **cutter**. With this number the information can be automatically enriched by importing the tool to CM (pictures, dimensions, materials, etc.)

- 3. <u>General cutting parameters (Geometry)</u>: in this fields the cutters' geometry can be defined. It is **required** to fill at least „Nominal diameter", „Total length" and „Programming length"

- 4. <u>Internal cooling</u>: if the tool has „internal cooling" the checkbox must be activated
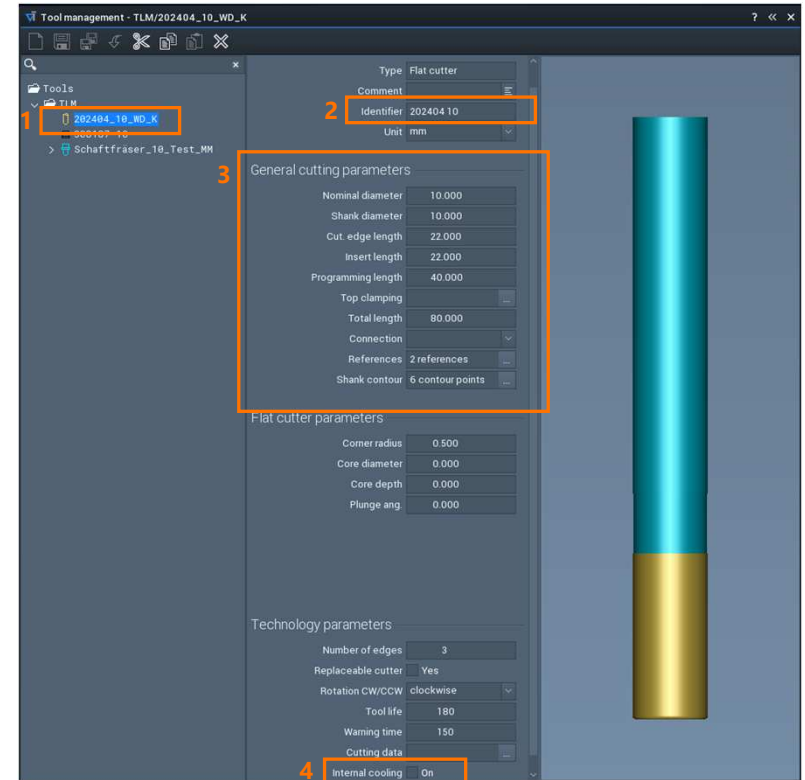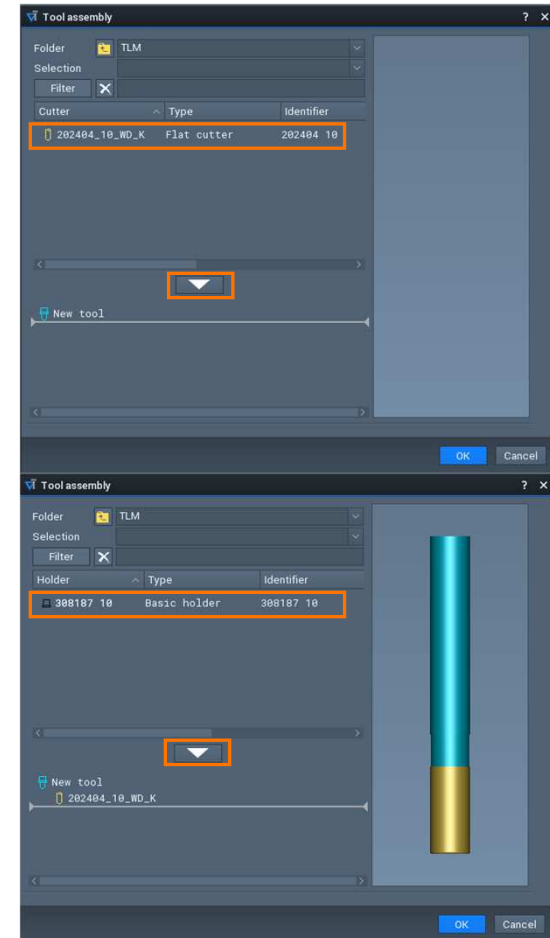
Tebis Tooldata

Holder data

- 1. <u>Name</u>: here you can change the name of the holder. The name is for a clearly identification of the tool (**required**)

- 2. <u>Identifier (Articlenumber)</u>: here you can put in the Hoffmann-Articlenumber of the **holder**. With this number the information can be automatically enriched by importing the tool to CM (pictures, dimensions, materials, etc.)

- 3. <u>Contour</u>: with this button you can load an existing holder geometry or create a new one

- 4. <u>Internal cooling</u>: if the tool has „internal cooling" the checkbox must be activated

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Create a Toolassembly

- To create a Toolassembly you have to select a cutter and a holder from the list

- With the „arrow"-button the selected (marked) component can be loaded into the assembly

- Confirm with „OK"

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Create a Toolassembly

- 1. <u>Name</u>: here you can change the name of the toolassembly. The name is for a clearly identification of the tool (**required**)

- 2. <u>Identifier (Shortname or T-No.)</u>: depending on how the tool is called in the NC file, the shortname or the T-No. has to be written in this field. Connected Manufacturing calls up this field with every new import

- 3. <u>Komplettwerkzeug</u>: here you can change the Insert length and the Total length (including holder)

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