Release Notes: CoroPlus in GibbsCAM

This document is intended for customers who are using CoroPlus in GibbsCAM®.

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What is CoroPlus?

GibbsCAM CoroPlus option provides access to CoroPlus ToolLibrary, Sandvik Coromant's system for managing libraries of cutting tools, toolholders, toolblocks, and the like, which complies with the ISO 13399 standard for tool exchange.

Where do I find the CoroPlus installer?

The installer for CoroPlus is available from Sandvik.

Steps for running the installer — "`CoroPlus_ToolLibrary_1.`*<version>*.*<mod>*`.exe`" — are provided below.

Installing CoroPlus

1. With Administrator privileges, run the installer: "`CoroPlus_ToolLibrary_1.`*<version>*.*<mod>*`.exe`"

   Result: The **Welcome** step appears. Click Next.

   If the popup dialog for User Account Control asks you to give permission for CoroPlus 1.0 (published by AB Sandvik Coromant) to make modifications on your hard disk, click Yes.

2. The next step offers choices that depend on whether you are changing an existing CoroPlus installation or installing a new one:

   - If there is a pre-existing installation of CoroPlus, you can modify or repair it.
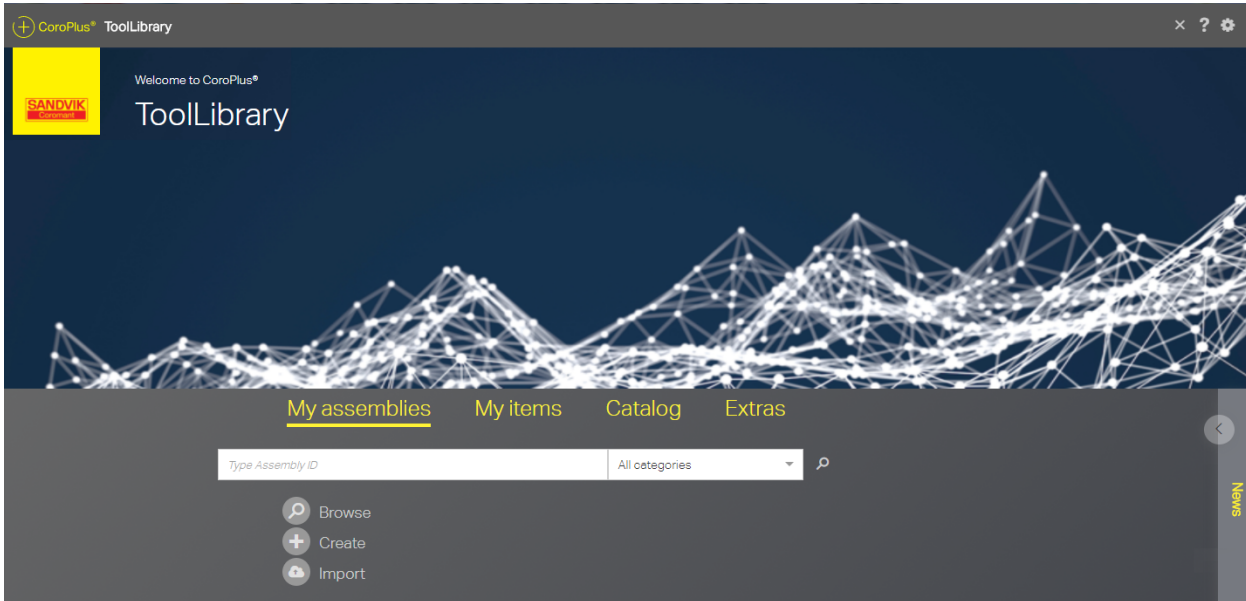   - If this is a new installation, select **Standard**, or else consult your CoroPlus documentation.

   When you have made your choices, click Next.
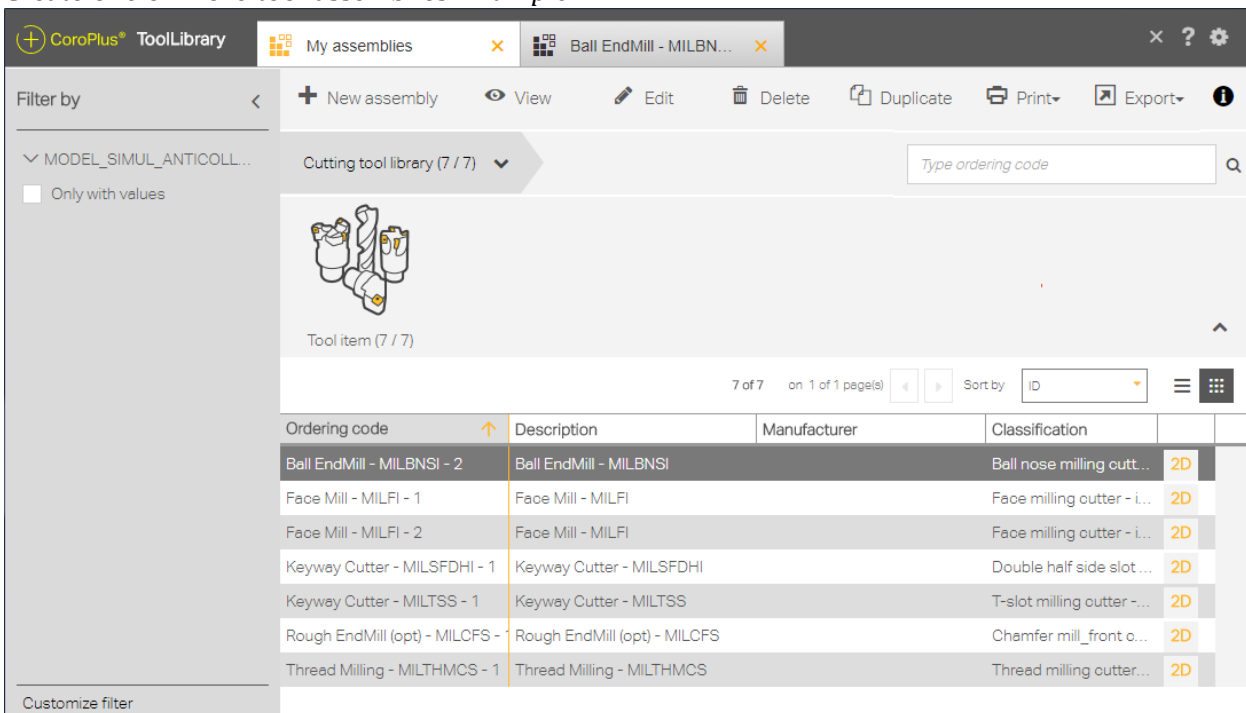
   Result: The **Summary** step appears.

3. When the installation process is complete, click Close.

Using CoroPlus ToolLibrary

1. Start ⊕CoroPlus ToolLibrary. *Result:* CoroPlus ToolLibrary opens:

2. Create one or more tool assemblies. *Example:*

Note: You can create individual tool assemblies manually using New assembly, or you can subscribe to one or more assortments in a CoroPlus Catalog.

Complete details of using CoroPlus ToolLibrary to find, view, create, and edit tool assemblies are beyond the scope of this document. For details, consult your CoroPlus documentation.

Using the GibbsCAM CoroPlus Plug-In

1. On the GibbsCAM Plug-Ins menu, under Main Tools, click CoroPlus Tool Manager. (If you do not see this plug-in, then use Plug-In Manager to make it visible.)

   Result: **CoroPlus Tools** dialog appears.

2. In the dialog, locate an importable tool assembly using either of these two ways:

   o On the left, click a tool icon that contains a tool successfully mapped from CoroPlus, and then select a row from the table that appears in the center.
   Example of mapping: The **DRLCTR*** assemblies generally map to Center Drill tools, as shown below.

   o On the right, under Assembly Details, type or paste the assembly ID. Then press ENTER to find the assembly and populate the properties field.


1. Tool icons

   - milling tools
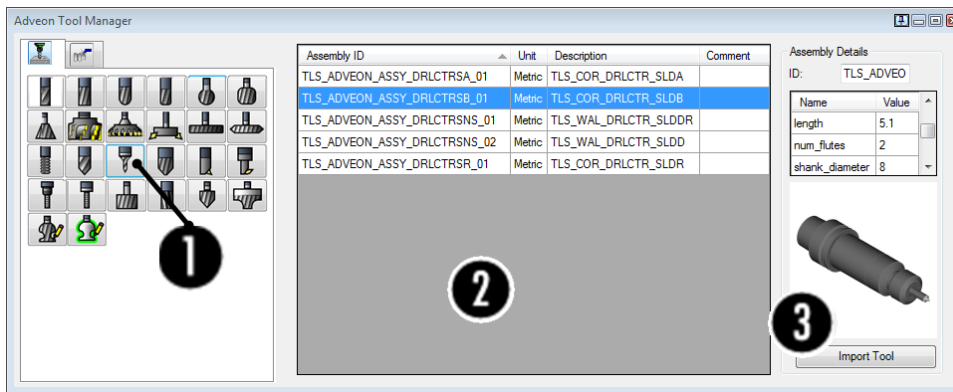
   - turning tools

2. Table of tool assemblies
3. Tool assembly preview and **Import Tool** button

4. Click the Import Tool button.

Result: The tool assembly is imported into GibbsCAM:

- A new tool tile appears in the Tool List.
- If you open this tool, you will see that it uses a custom toolholder and that its Comment field contains the CoroPlus assembly ID.
- A new workgroup is created that contains the geometry profile for the custom toolholder. The workgroup name corresponds to the CoroPlus assembly ID.
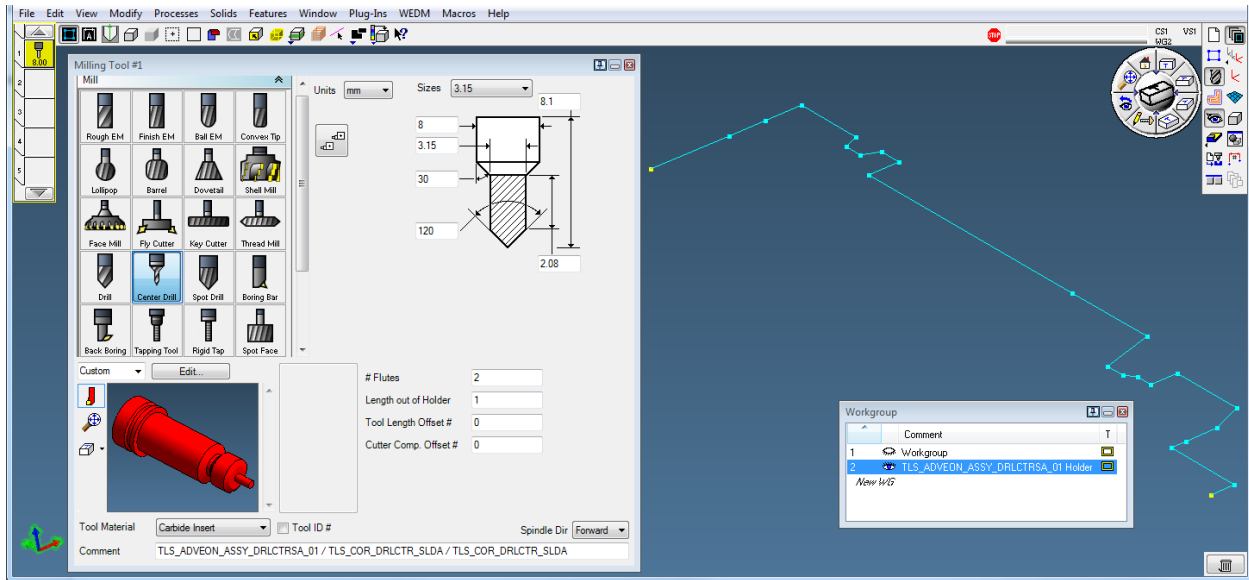
> Only compatible tools are properly mapped to GibbsCAM.
>
> Tools are mapped based on their parameters, not their type. Thus, the CoroPlus designation might differ from the GibbsCAM tool name, depending on parameter settings. *Example:* Most CoroPlus "ballnose mill" (MILBNS) assemblies are mapped to Ball EM tools, but some MILBNS assemblies can be mapped to Rough EM, and others to Lollipop tools in GibbsCAM, depending on corner radius and other parameters.

Known Issues and Limitations

- The CoroPlus Tool Manager dialog is in English only.
- The CoroPlus Tool Manager dialog does not use wildcards for specifying Assembly ID.
- If you find that a tool assembly imported from CoroPlus to GibbsCAM has a problem with the tool/holder relationship, you should modify the tool assembly on the CoroPlus side and re-export it, rather than trying to adjust its tool and/or toolholder parameters in GibbsCAM.

  For example: If you import a tool assembly and find that the holder comes too close the material, do not adjust the Length out of Holder value in the GibbsCAM **Tool** dialog. Instead, edit the tool assembly in CoroPlus and then re-export it and replace the adjusted tool in the GibbsCAM tool list.