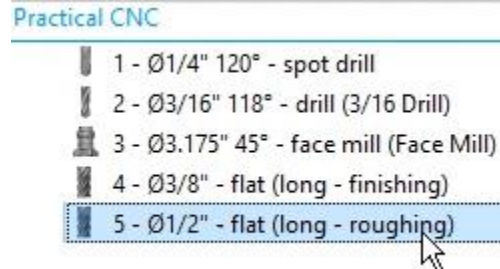


Lesson: Utilize a Tool Library

In this lesson, you'll populate and organize a tool library.

Learning Objectives

- Use Import to load a tool library.
- Modify tool order.



The completed exercise

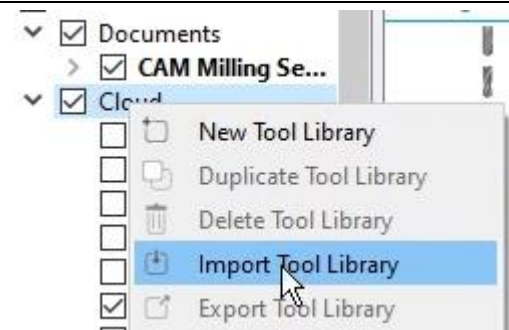
1. Continue with the *CAM Milling Setup* file from the previous module.



2. Click Manage> Tool Library and clear any active filters by clicking the X at the top of the dialog.



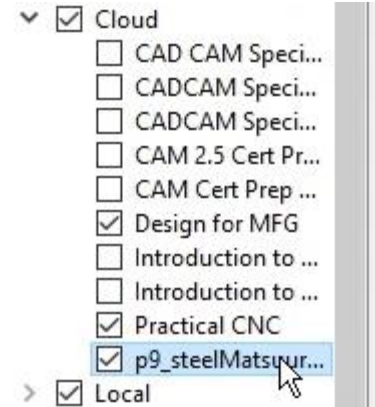
3. In the CAM Tool Library dialog's left column, select the Cloud library, right-click it, then choose the Import Tool Library option from the menu.



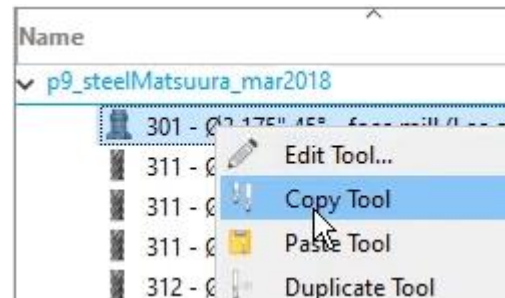
4. Navigate to the supplied data set and locate the *p9_steelMatsuura_mar2018* file. Open this file.



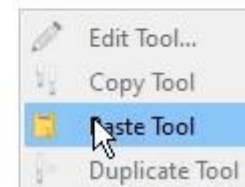
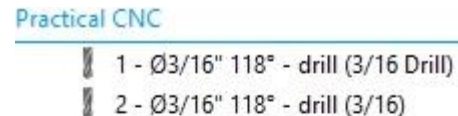
5. The selected tool library is placed inside the Club library.



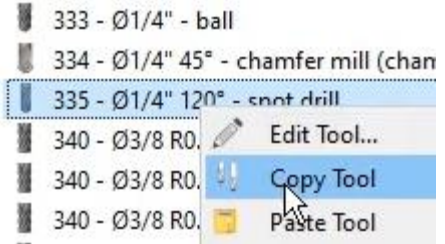
6. Tool 301 needs to be copied from this library and pasted into the Practical CNC library. Select Tool 301, right-click it, then choose the Copy Tool option from the menu.



7. Navigate to the Practical CNC library and paste the tool into it.



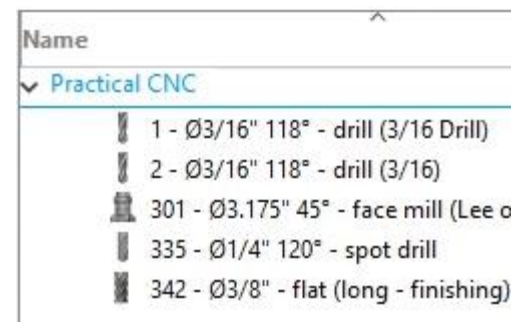
8. Return to the p9_steelMatsuura_mar2018 library and copy Tool 335. The Copy Tool option can be selected from the menu or you can press Ctrl+C.



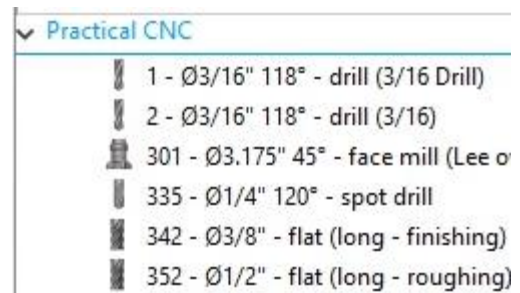
9. Paste the copied tool into the Practical CNC library by selecting Paste Tool from the menu or by pressing Ctrl+V.



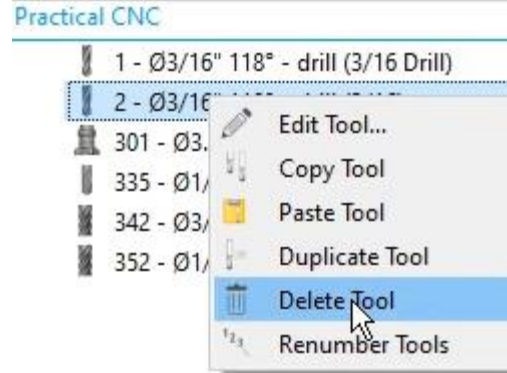
10. Return to the p9_steelMatsuura_mar2018 library and add Tool 342 – 3/8" – flat (long – finishing) to the p9_steelMatsuura_mar2018 library.



11. Copy tool 352 – 1/2" - flat (long – roughing) from the p9_steelMatsuura_mar2018 library and paste it into the Practical CNC library.



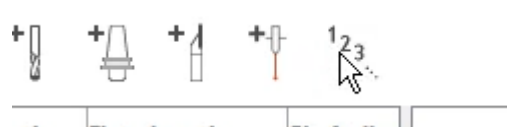
12. Notice that Tools 1 and 2 are essentially the same tool. Since you don't need to of the same tool in the library, right-click Tool 2 and delete it.



13. Edit Tool 301 by right-clicking it and selecting the Edit Tool option from the menu. Navigate to the Library dialog's General tab and delete the description. Replace it with **Face Mill**, then click OK to accept the changes.



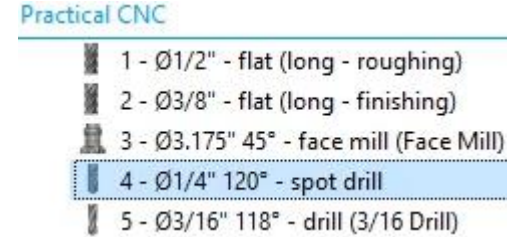
14. The tools in the Practical CNC library need to be renumbered. Select all five tools in the library, then click the Renumber Tools in the dialog's upper right corner. Click OK in the dialog without making any changes.



15. Tools are numbered sequentially but might not be in the order you want.



16. Select the spot drill, then click Renumber Tools. Click OK in the dialog to reset the spot drill as Tool 1.



- 17.** Select the 3/16" drill, then click Renumber Tools. Inside the Tool Renumbering dialog, enter **2** into the first Tool Number field. Click OK. The drill's number is changed to 2.

Name	
▼ Practical CNC	
1 - Ø1/4" 120° - spot drill	
1 - Ø1/2" - flat (long - roughing)	
2 - Ø3/16" 118° - drill (3/16 Drill)	
2 - Ø3/8" - flat (long - finishing)	
3 - Ø3.175" 45° - face mill (Face Mi	

- 18.** Repeat this process until the tools are ordered to match the image on the right. Close the CAM Tool Library dialog by clicking the X button in the upper right corner. Continue to the next module.

Practical CNC	
1 - Ø1/4" 120° - spot drill	
2 - Ø3/16" 118° - drill (3/16 Drill)	
3 - Ø3.175" 45° - face mill (Face Mill)	
4 - Ø3/8" - flat (long - finishing)	
5 - Ø1/2" - flat (long - roughing)	