

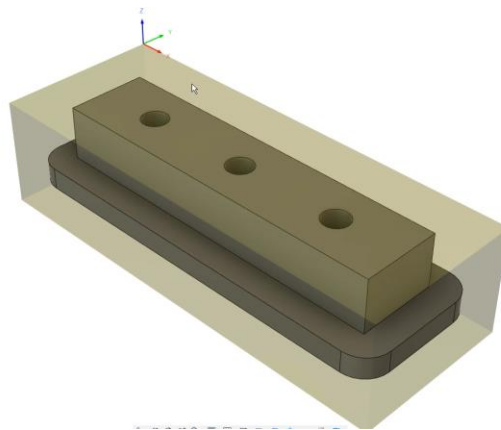
Step-by-step guide

Create a CAM setup

Create and configure a setup so you can begin creating toolpaths to cut a part.

Learning objectives:

- Create a new CAM setup.
- Define WCS location.
- Define stock.



The completed exercise

1. Upload and open the supplied CAM *Setup.f3d* file.



Figure 1. Open the supplied file

2. Expand the Browser's Bodies folder and notice that there are two bodies inside: Stock and Body2. Turn on the visibility for the Stock body and notice that the body icon has a red circle. This icon indicates that the body cannot be selected in the Canvas area.

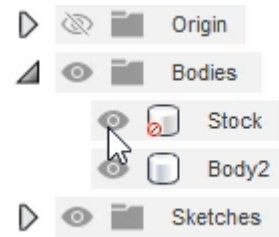


Figure 2. Show the Stock body

3. The Stock body represents the stock material needed to machine Body2.

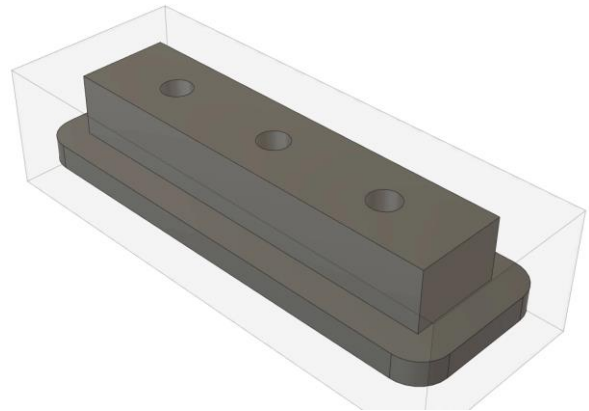


Figure 3. Inspect the Stock body

4. Use the workspace picker to navigate to the Manufacture workspace.

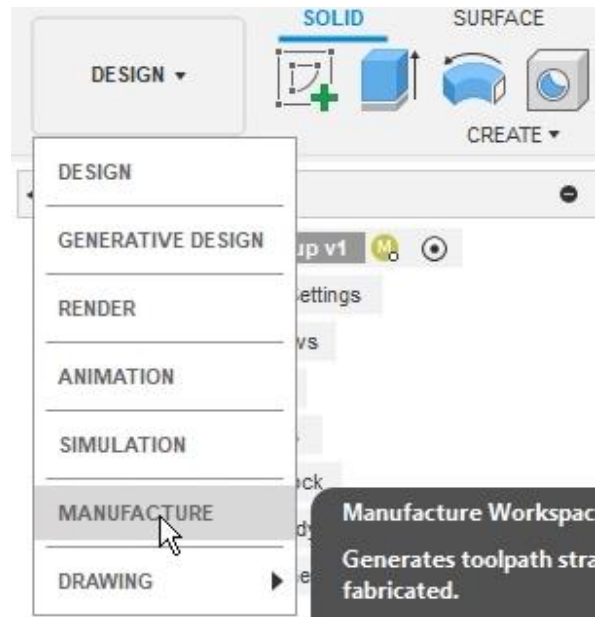


Figure 4. Navigate to the Manufacture workspace

5. If the design's units are not set to inches, click the Browser's Change Active Units.

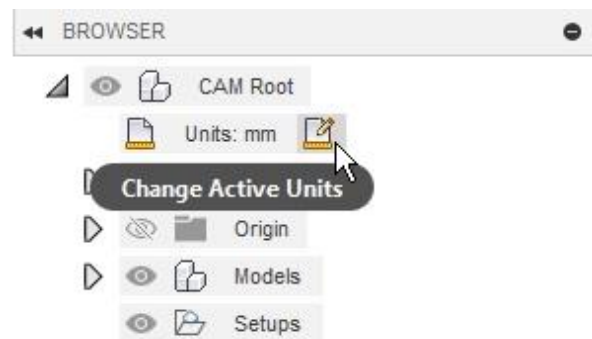


Figure 5. Click Change Active Units

6. Use the Inch option from the dialog's Unit Type menu. OK the dialog.

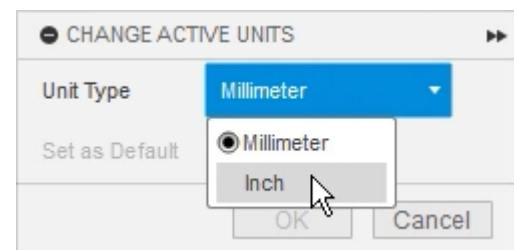


Figure 6. Choose the Inch option

7. Make sure the ribbon's Milling tab is active, then click Setup> New Setup.

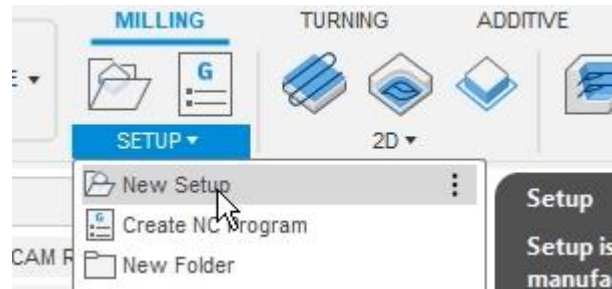


Figure 7. Create a new setup

8. Navigate to the dialog's Stock tab and choose the From solid option from the Mode menu.

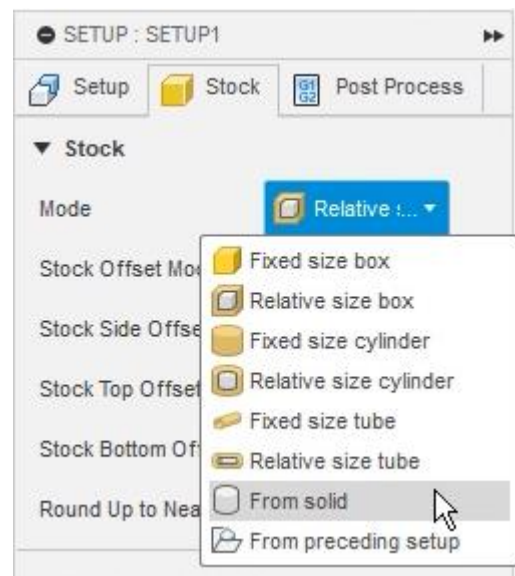


Figure 8. Change the stock mode

9. Choose the Stock body as the dialog's Stock Solid selection.

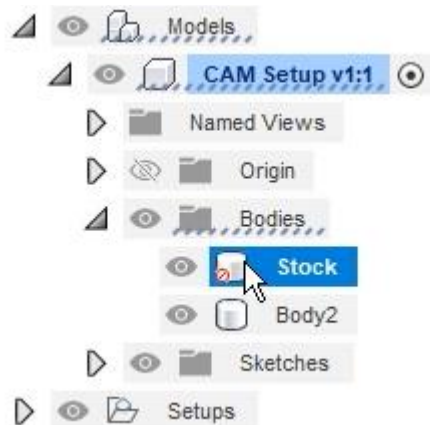


Figure 9. Select the Stock body

10. For the dialog's Stock Point selection, choose the stock body's back left corner.

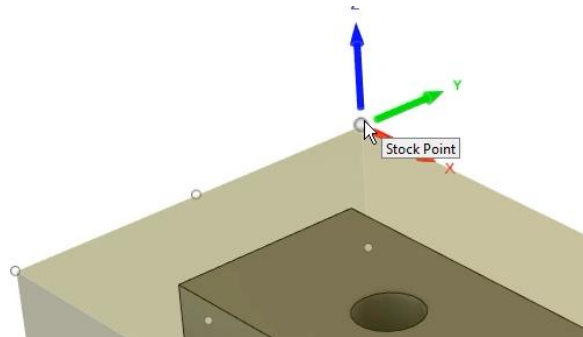


Figure 10. Choose the Stock Point location

11. For the dialog's Model selection, choose the Browser's Body2.

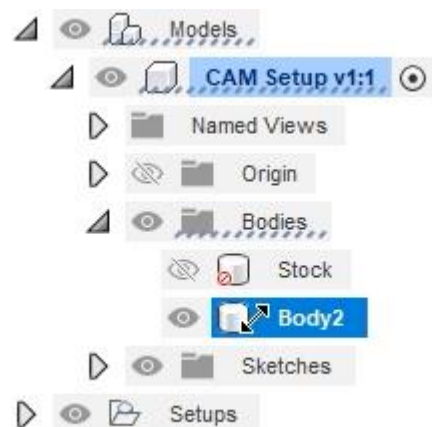


Figure 11. Select the model

12. The dialog's Fixture option can be used to select a model representing the machine's vise or other fixturing.

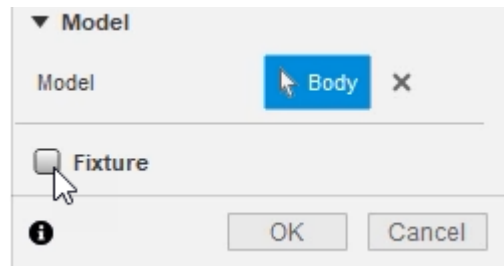


Figure 12. Note the Fixture option

13. Continue to the dialog's Post Process tab and configure the setup's information. Enter **1001** into the Program Name/Number box, then enter **2.5 Test** into the Program Comment box. The correct WCS offset value depends on the machine you are using; either 0 or 1 will indicate a G54 location for a Haas machine. Enter **1** into the WCS offset box.

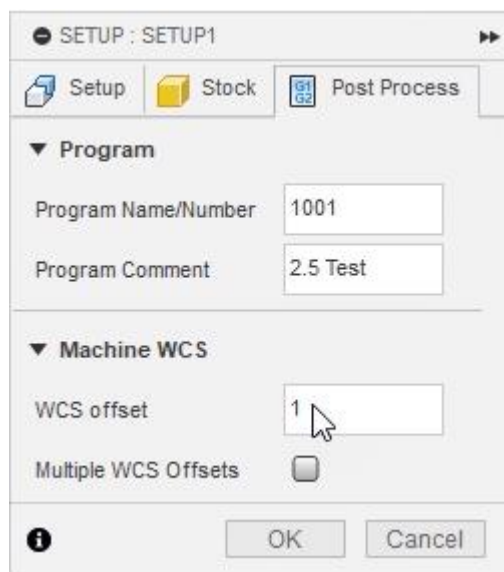


Figure 13. Configure the setup's information

14. Return to the Setup tab and notice that you have the option to select a machine. Selecting the machine will define the available toolpath strategies. Depending on the specific machine you select, you might be able to access additional machine dependent parameters. OK the Setup dialog.

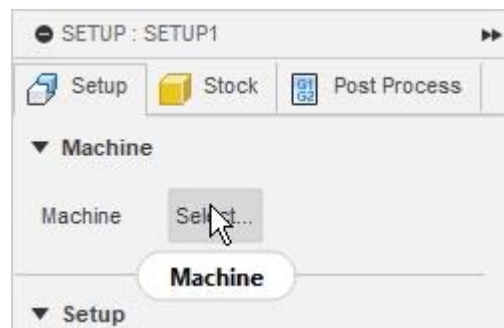


Figure 14. Notice that you can select a machine

15. Notice that Fusion 360 adds Setup1 to the Browser's setups folder and automatically activates it.

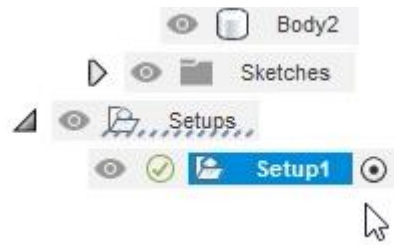


Figure 15. Inspect the Browser