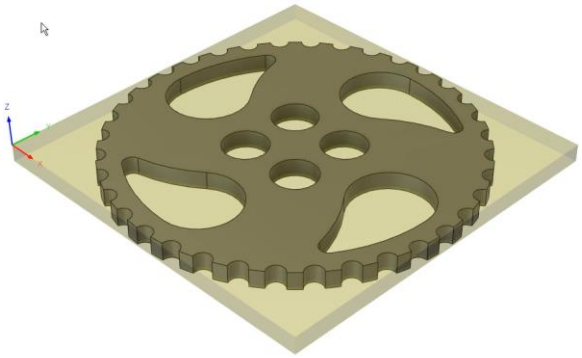
Lesson: Create a CAM Setup for Waterjet

In this lesson, you'll create a setup with parameters appropriate for a waterjet part.



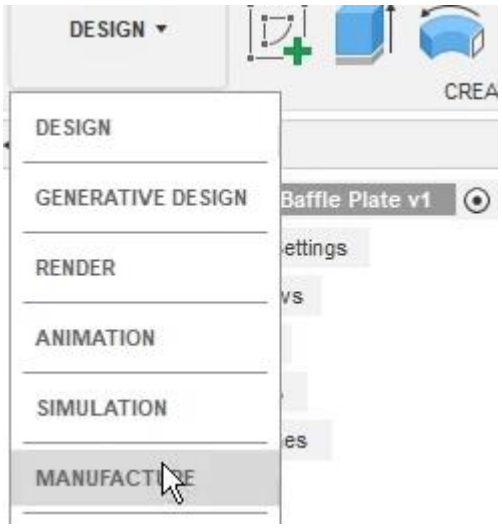
The completed exercise

Learning Objectives

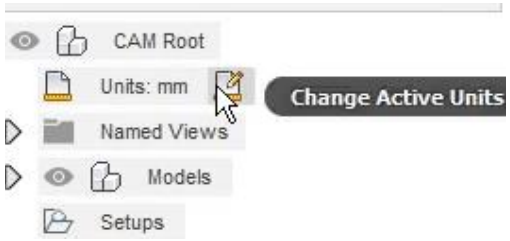
- Create a new CAM setup.
- Modify a WCS.

1. Upload and open the supplied *Waterjet Baffle Plate.f3d* file.

2. Manufacturing setups can be created for waterjet parts. Navigate to the Manufacture workspace.



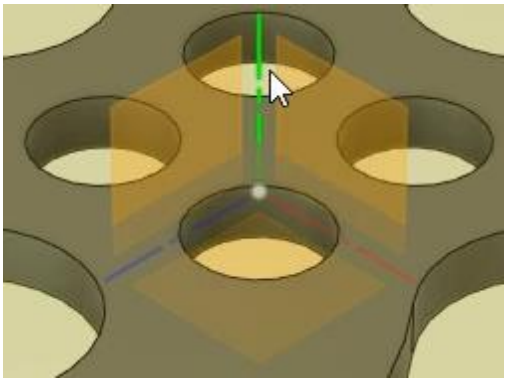
3. Use the Browser's Change Active Units to change the document's units to inches.



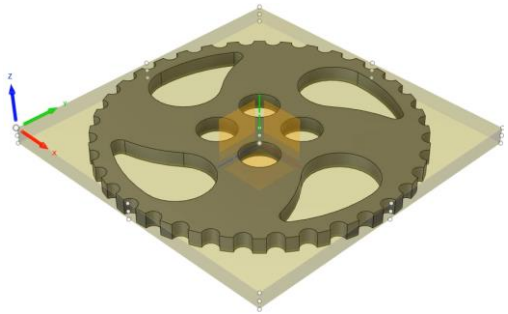
4. Navigate to the Toolbar's Fabrication tab, then click Setup> Setup.

5. In the Setup tab, choose the Cutting option from the Operation Type menu.

6. Choose the Select Z axis/plane & X axis option from the Origin menu. For the Z Axis selection, choose the green Y axis in the Canvas.



7. For the dialog's Stock Point selection, choose the model's left corner.



8. Continue to the dialog's Stock tab and reduce the Stock Top Offset value to **0** inches. Since this is a 2D cutting operation, extra stock on the part's top cannot be machined away.

9. Continue to the Post Process tab and change the Program Name/Number value to **1005**. Enter **Baffle Plate** as a program comment, then click OK to generate the setup.

10. The setup is added to the Browser and named Setup1. Save the file and continue to the next module.