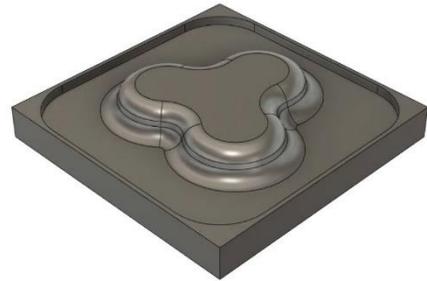


Practice

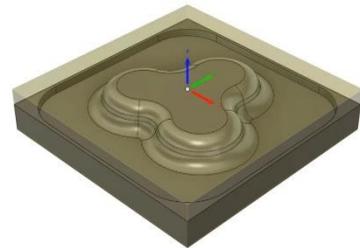
Practice: Create a new milling setup and create adaptive roughing and rest toolpaths and 2D contour toolpaths on complex geometry.

- Create a milling setup.
- Create an adaptive clearing toolpath.
- Create an adaptive rest toolpath.
- Create a 2D contour toolpath.
- Simulate a toolpath.

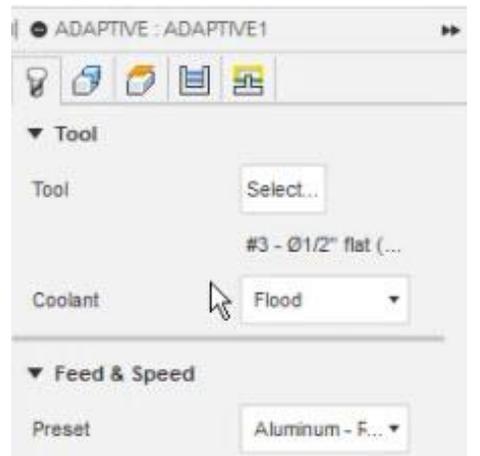
1. Upload the supplied dataset *complex finish* – *pe.f3d*.



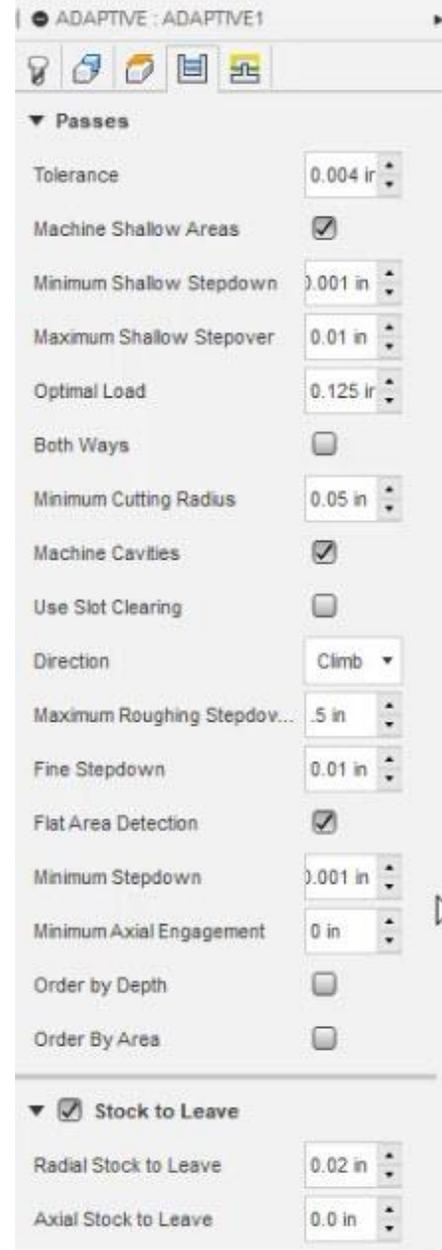
2. Navigate to the Manufacture Workspace and ensure the units are set to inch. Create a new milling setup with the WCS located at the top-center of the part with the stock being the exact size of the part.



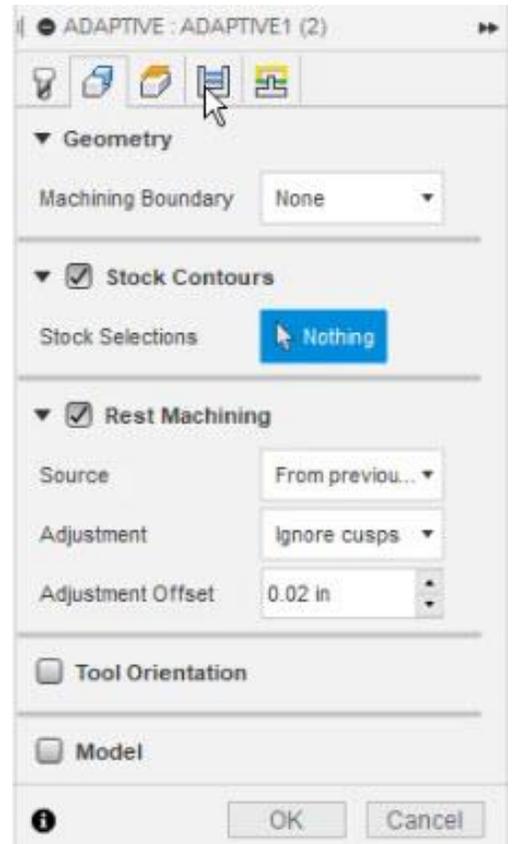
3. Create a 3D Adaptive Clearing operation with a 1/2" flat endmill using the appropriate roughing defaults for the tool.



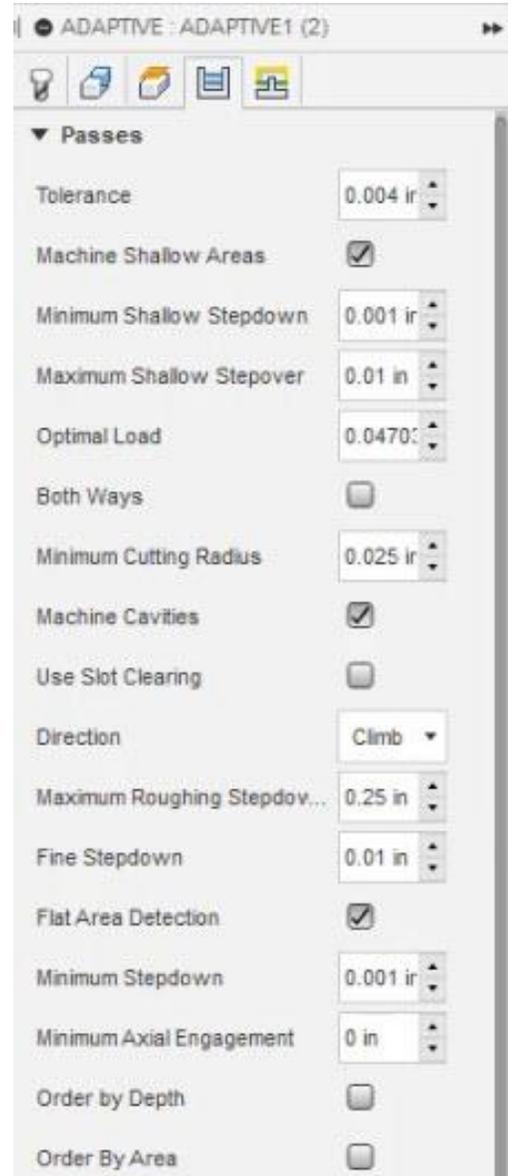
4. Set the passes to machine shallow areas, cavities and use flat area detection. Set the max roughing stepdown to 0.5" and the fine stepdown to 0.01". Ensure stock is only left in the radial direction.



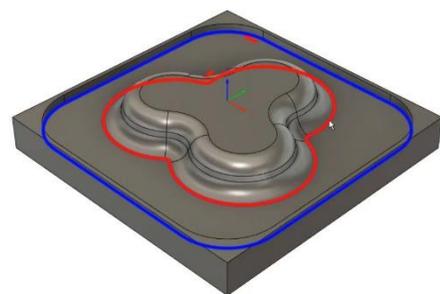
5. Duplicate Adaptive1 and edit the operation using a 1/4" flat endmill with aluminum roughing presets and rest machining from previous operations.



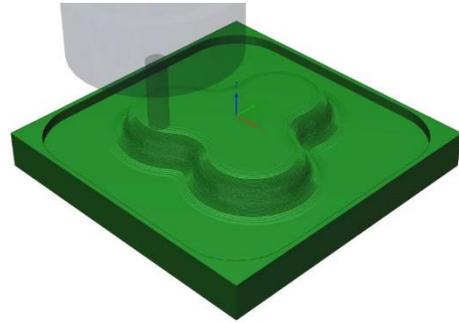
6. Set the passes so the maximum roughing stepdown 0.25" and turn off stock to leave.



7. Create a 2D contour operation with the same 1/4" flat endmill to finish off the pocket and base of the fillet.



8. Preview the material removal.



9. Save the design.

