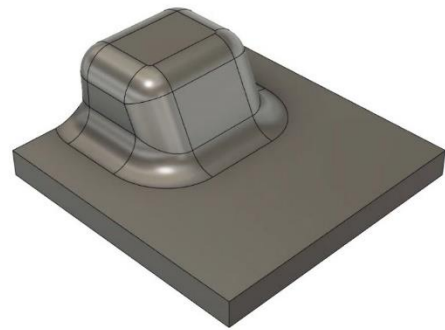


## Practice

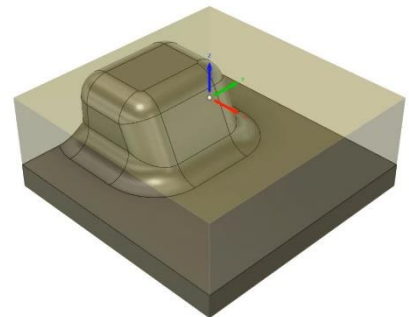
Practice: Create a new milling setup and a pocket clearing operation.

- Create a milling setup.
- Create a pocket clearing toolpath.
- Simulate a toolpath.

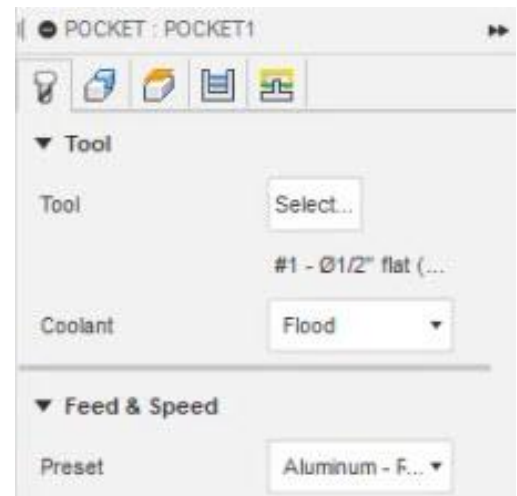
1. Upload the supplied dataset *pocket clearing – pe.f3d*.



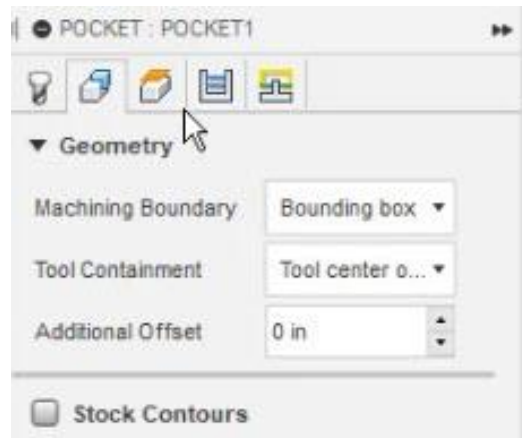
2. Navigate to the Manufacture Workspace and ensure the units are set to inch. Create a new milling setup with the WCS located at the top-center of the part with the stock being the exact size of the part.



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



4. Set the geometry to use a bounding box with the tool centered on the boundary.



5. Set the passes to machine shallow areas, flat area detection and stock to leave in only the radial direction. Set the maximum roughing stepdown to 0.6”.

POCKET : POCKET1

Passes

Tolerance 0.004 in

Machine Shallow Areas ☒

Minimum Shallow Stepdown 0.008 in

Maximum Shallow Stepover 0.04 in

Minimum Diameter 0 in

Manual Stepover ☐

Minimum Cutting Radius 0 in

Use Morphed Spiral Machin... ☐

Direction Climb

Smoother Deviation 0.0475

Maximum Roughing Stepdown... 0.6 in

Flat Area Detection ☒

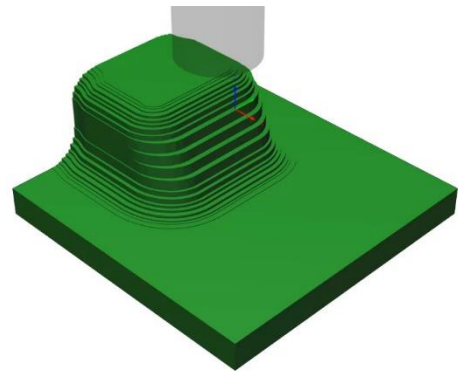
Order by Depth ☐

☒ Stock to Leave

Radial Stock to Leave 0.02 in

Axial Stock to Leave 0.0 in

6. Preview the operation and review the warning created.



7. Save the design.



A screenshot of a 'Save' dialog box. The dialog has a title bar with a small orange icon and the word 'Save', and a close button (X) in the top right corner. Inside the dialog, there are two labels: 'Version Description' and 'Milestone'. The 'Version Description' label is followed by a text input field containing the text 'User Saved'. The 'Milestone' label is followed by a checkbox and an empty text input field. At the bottom of the dialog, there are two buttons: 'OK' and 'Cancel'. A mouse cursor is pointing at the 'OK' button.

Save

Version Description

Milestone ☐