



3D Print Two Colors

A. Insert Coordinate System.

Step 1. Open your PENNANT file.

Step 2. Click Insert Menu > Reference Geometry > Coordinate System.

Step 3. In the Coordinate System Property Manager:
under Position, **Fig. 1**

click the **Origin** in graphics area, **Fig. 2**.

confirm Axis Direction is as shown in **Fig. 2**.

click OK ✓.

Step 4. Save (Ctrl-S).

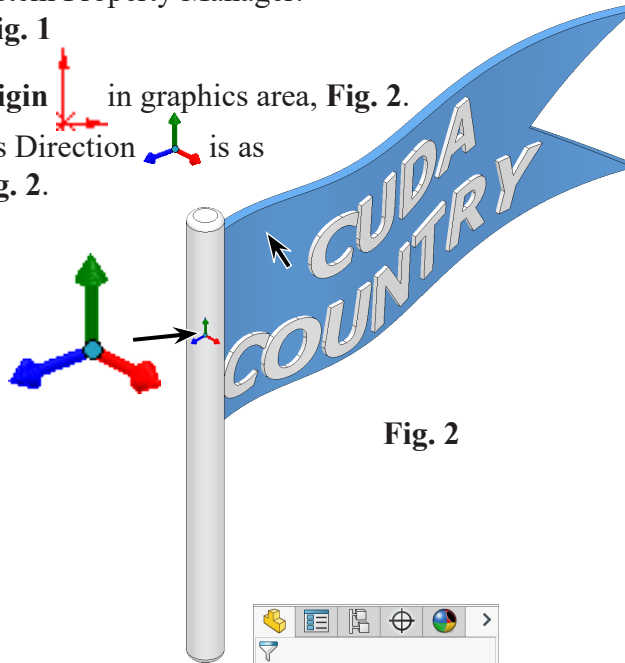


Fig. 2

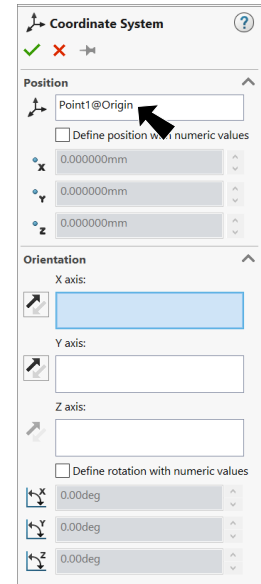


Fig. 1

B. Folder for White Bodies.

Step 1. Expand **Solid Bodies** folder in the Feature Manager. **Shift click first Boss-Extrude** thru **Fillet1**, **right click** and select **Add to New Folder**, **Fig. 3**.

Step 2. Rename folder **TEXT**, **Fig. 4**.

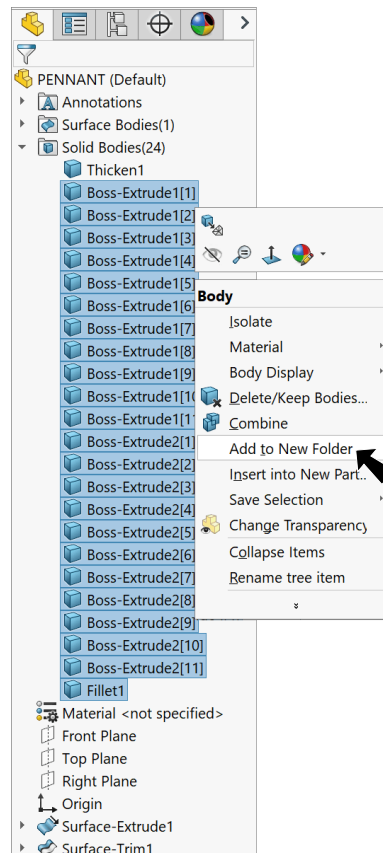


Fig. 3

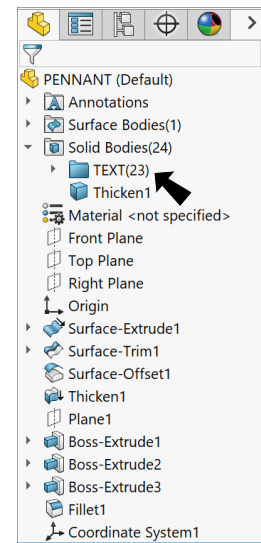








Fig. 4

C. Save PENNANT STL File.

Step 1. Click expand arrow  at the top of the Feature Manager to expand the Display Pane, **Fig. 5**.

Step 2. **Hide TEXT**  **body folder.** To hide, expand **Solid Bodies**  folder. In the Feature Manager Display Pane under Hide/Show  column for **TEXT**  **body folder,** click **Show**  to turn off show, **Fig. 5**.

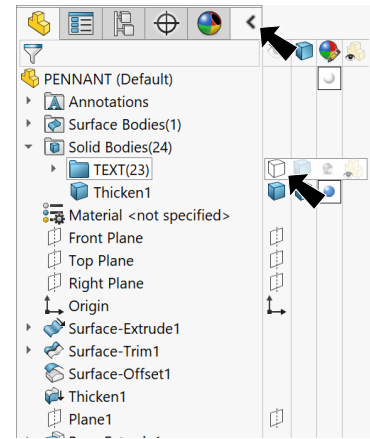


Fig. 5

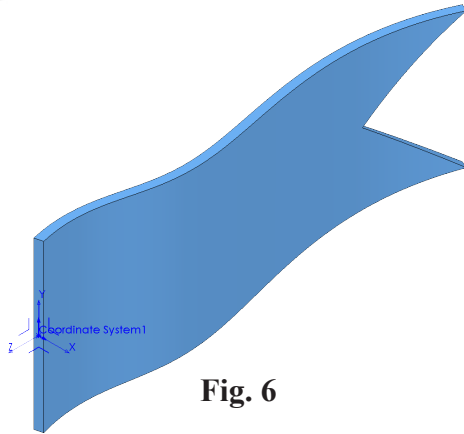
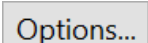


Fig. 6

Step 3. Click File Menu > Save As.

Step 4. In the Save As dialog box, **Fig. 7** key in **PENNANT** for file name
Save as type select **STL**
click **Options**  button.

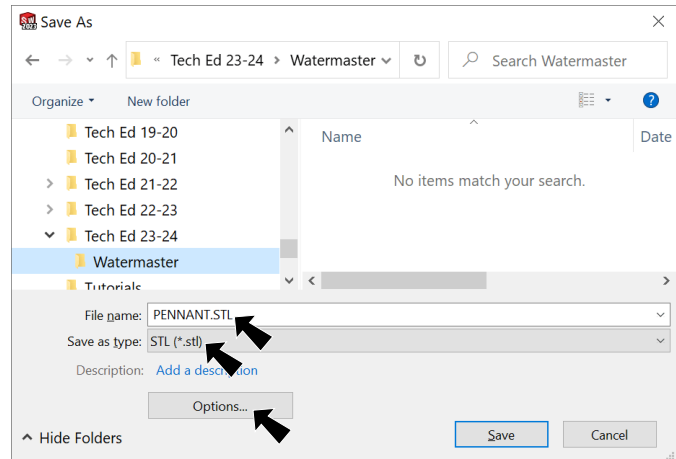


Fig. 7

Step 5. In System Options dialog box, **Fig. 8** set Output coordinate system
Coordinate System1
click **OK**
click **Save**.

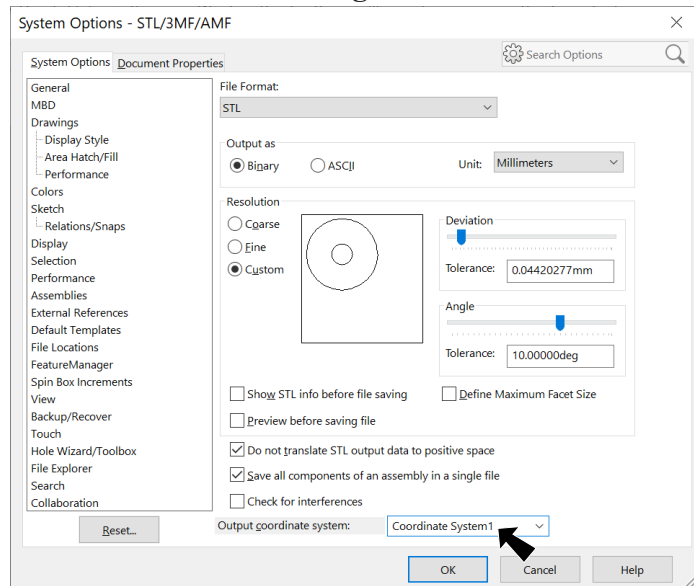









Fig. 8

D. Save TEXT STL File.

Step 1. **Show TEXT**  **body folder.** To show, in the Feature Manager Display Pane under Hide/Show  column for **TEXT**  **body folder** click **Hide**  to turn off hide, **Fig. 9.**

Step 2. **Hide Thicken1**  **body.** To hide, in the Feature Manager Display Pane under Hide/Show  column for **Thicken1**  **body** click **Show**  to turn off show, **Fig. 9.**

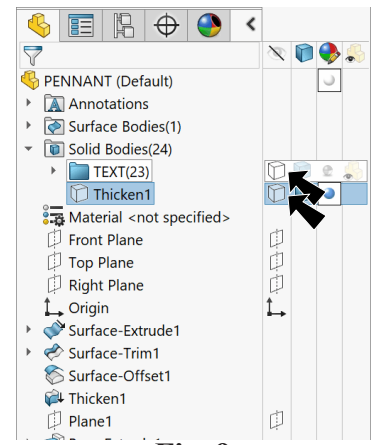


Fig. 9

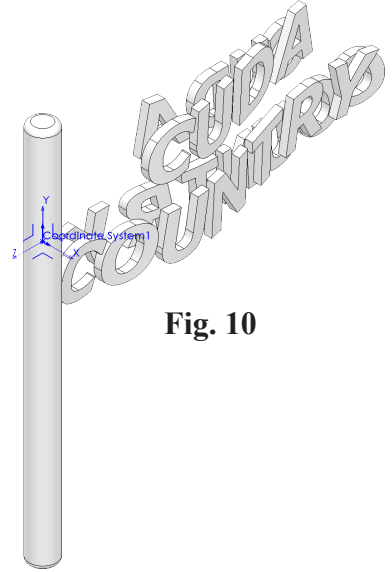


Fig. 10

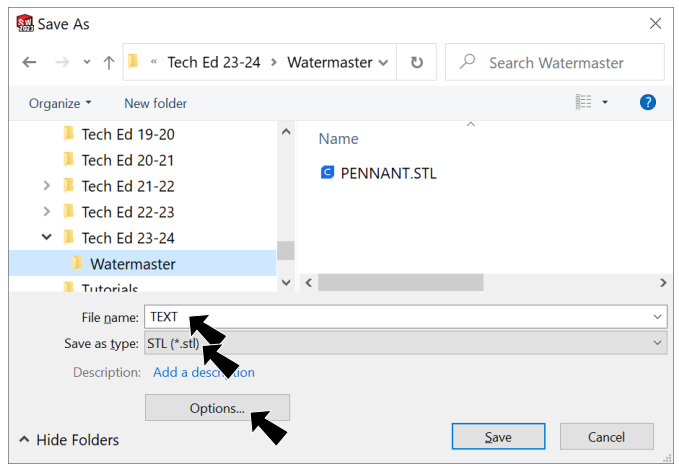
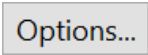


Fig. 11

Step 3. Click File Menu > Save As.

Step 4. In the Save As dialog box, **Fig. 11** key in **TEXT** for file name
Save as type select **STL**
click **Options**  button.

Step 5. In System Options dialog box, **Fig. 12** confirm Output coordinate system is **Coordinate System1** click **OK** click **Save.**

Step 4. **Show Thicken1**  **body folder,** **Fig. 13.**

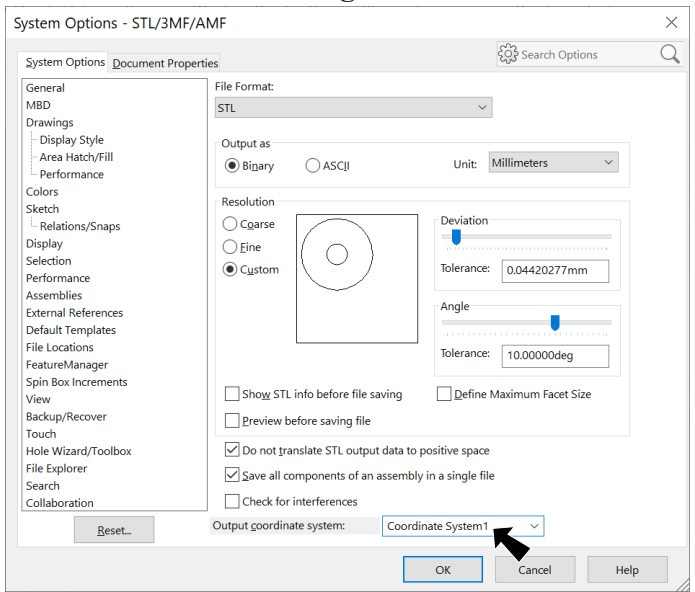


Fig. 12

E. Slicer.

Step 1. In your slicer, open both STL files and assign extruders, **Fig. 14.**

Step 2. Merge both STL files, **Fig. 15.**

Step 3. Rotate to front on glass, **Fig. 16.**

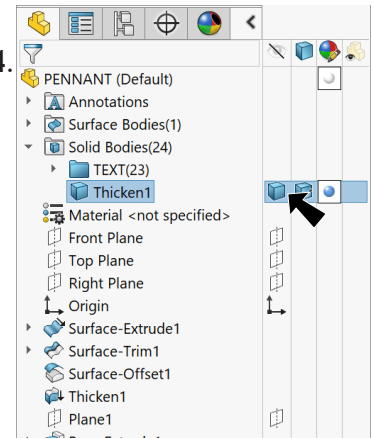


Fig. 13

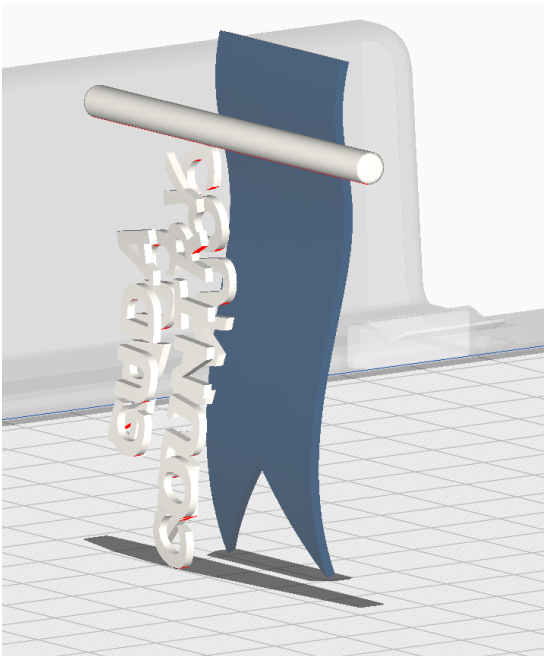


Fig. 14

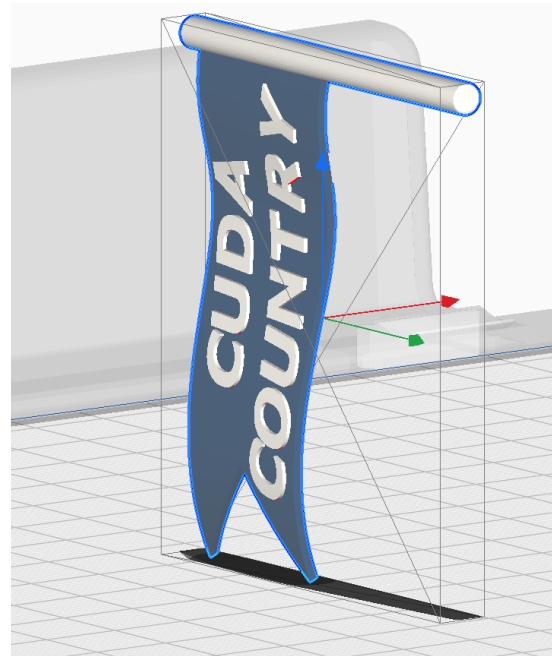


Fig. 15



Fig. 16