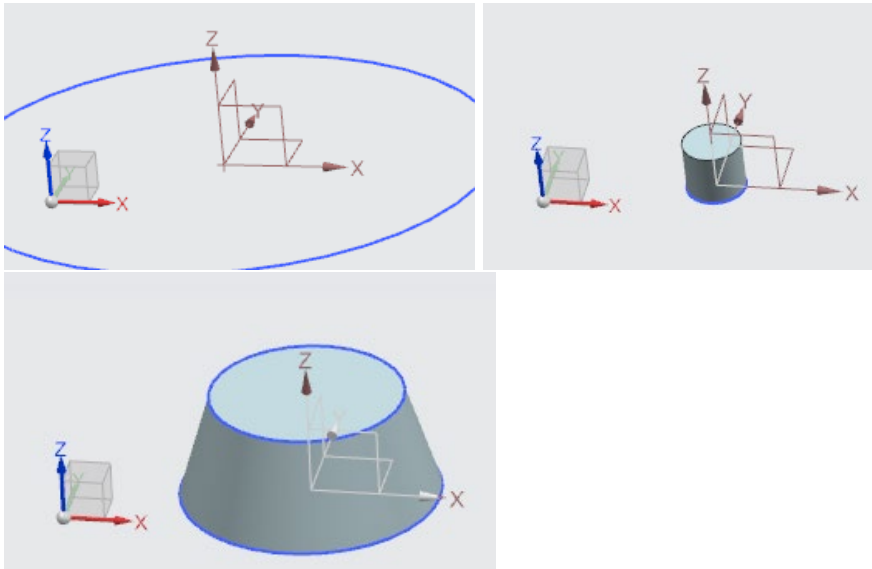


File Preparation for the Makino Wire EDM

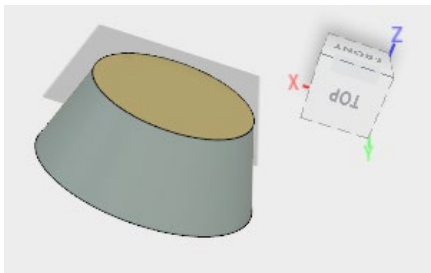
Files provided for the Makino Wire EDM need to be provided as Part, Solid Part, STEP, IGES or IGS format. Dimensions need to be in millimetres (mm).

Please see following images for file export from Fusion 360, Solid Works and Inventor Programs. The image is a generic Image from NX 10, the main Camming Software used in the Digital Manufacturing Lab.

The Makino Wire EDM requires design orientation to take place in the XY orientation, with Z as depth / Height.

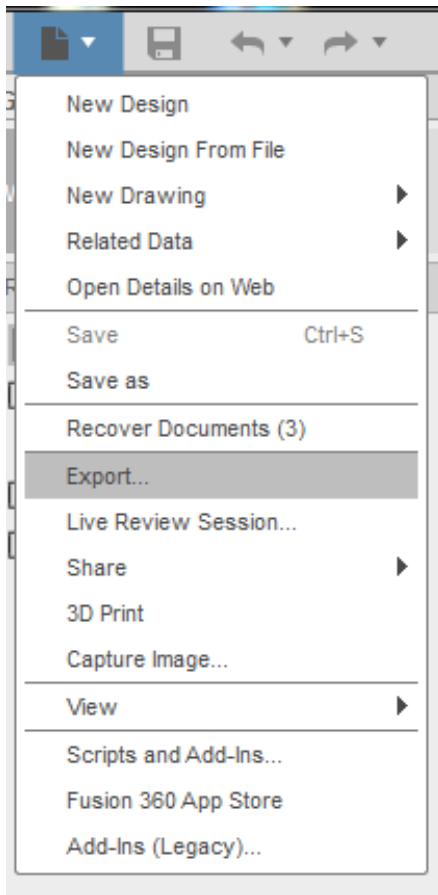


Fusion 360:



With Fusion 360 part needs to be assigned to home position on coordinates, this is start from 0 point of axis's. The Part still requires to be orientated in the XY plane. This can either be from beginning of modelling or on completion through the Move Function.

Once part is ready for export, select File (Displayed as ear-tagged page in image). Then select '**Export...**' using left key on mouse.



This opens the dialogue page for exporting part file to another location such as a thumb drive. Using the drop-down arrow under '**Type:**' select IGES File. Selecting the '...' next to original file location will open '**File browser**' to choose location for part to be saved to, eg Thumb-drive. Then simply hit '**Save**' and IGES will be created in designated file.

Export

×

Name:

Type:

IGES Files (*.igs *.iges) ▼

☐ Save to a project in the cloud

Liam's First Project > ○ master ▼

☒ Save to my computer

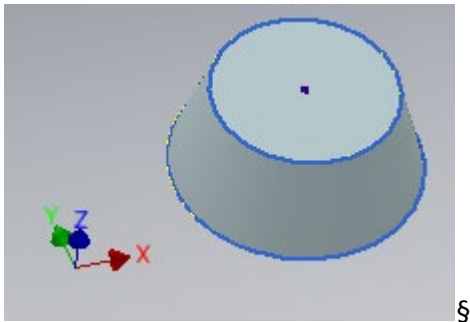
G:/Liam CA...ine July16 ...

Cancel

Save

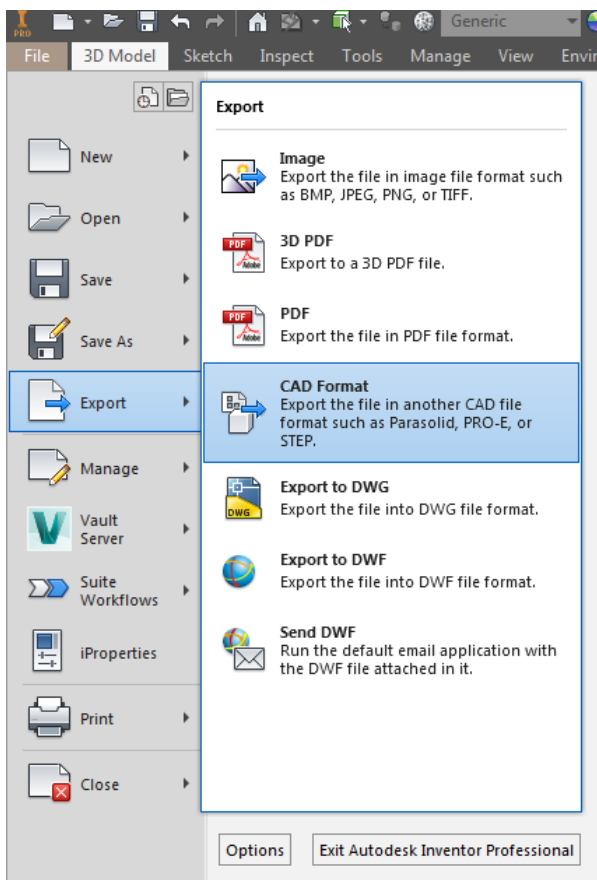
Autodesk Inventor:

With Autodesk Inventor part needs to be assigned to home position on coordinates, this is start from 0 point of axis's. The Part still requires to be orientated in the YZ plane with X as Depth / Height. This can either be from beginning of modelling or on completion through the Move Function.

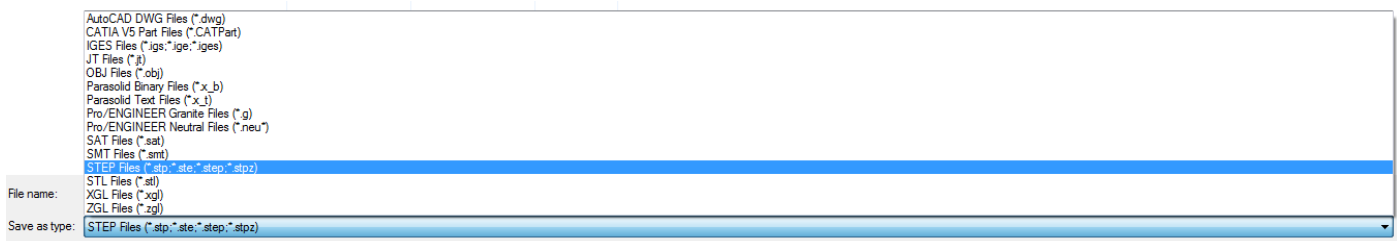


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Once part is ready for export, select '**File**'. Then select '**Export**', '**CAD Format**' using left key on mouse.



A new window will open, at bottom of page select '**Save as type**', and then select '**STEP**' using left key on mouse. Then select '**Save**'.



Solid Works:

TBA. Contact a technician for assistance.