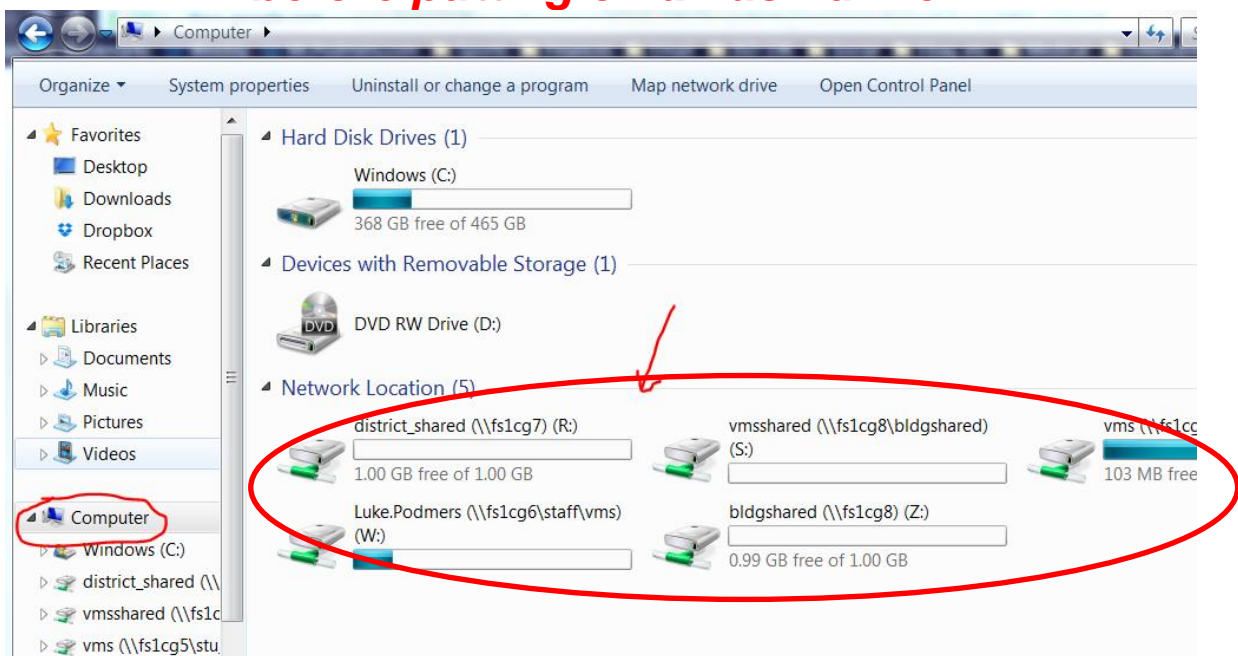
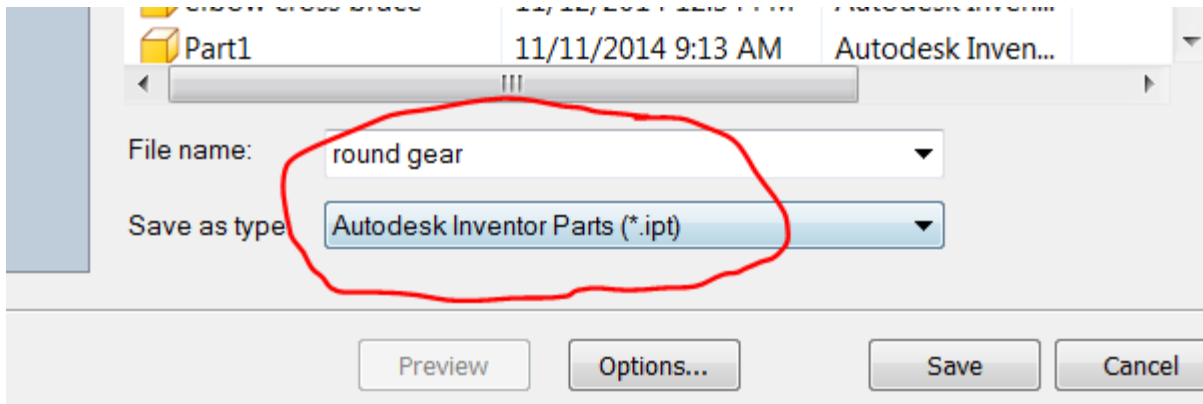


# Instructions for Saving Files From Autodesk Inventor for Various Machines in the FAB LAB *(For Laser and 3D Printers)*

**SAVE ALL FILES TO YOUR “P:DRIVE” which is under “Computer” and then “Network.” Do this FIRST, before putting on a flash drive.**



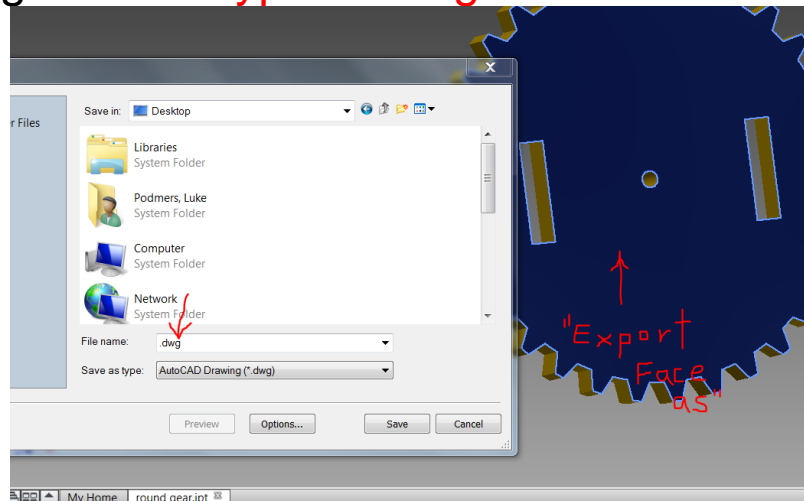
- Inventor Files:** To be able to edit your parts, you need to save all parts as a **.ipt** file. (Click “save as” and then make sure the file type is .ipt)



**2. Saving files for the different FAB LAB equipment/machines:** Use a flash drive to transfer file from your computer to FAB LAB machine *after saving your files to the P:Drive.*

Saving files from Autodesk Inventor for the **Laser**

- A. Your part needs to be EXTRUDED before you move on to the next step...
- B. *Right-click on the "face" (the side) of the part you want to cut out on the laser. Choose "export face as."*
- C. Change the *file type to .dwg*



D. Upload file to a flash drive. *Remember: ALSO save as an .ipt file for editing ability.*

## Saving files from Autodesk Inventor for the 3D Printer

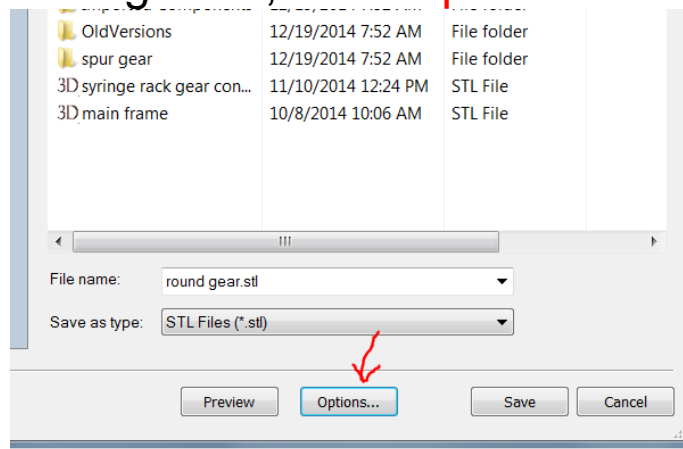
A. *AFTER OPENING A NEW FILE:* Click on “Tools” in the ribbon tabs, and choose: “Document Settings.” Then click the tab “Units,” and change “Length” to “millimeters” (*this is needed for the part to turn out the right size when 3D printed because the 3D printer measures in millimeters*). This step can be done AFTER designing your part in inches as well.



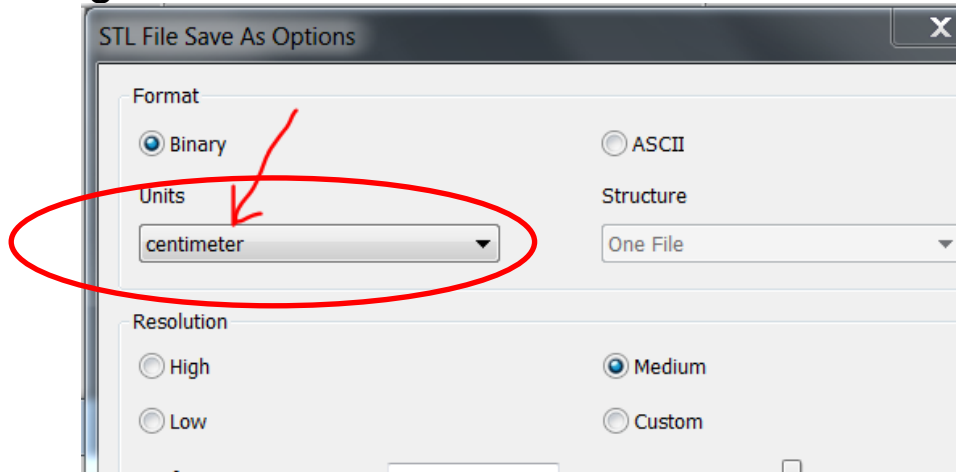
B. Click on : **Export: CAD Format**

C. **“Save as type:”** Change from .dwg to **.STL**

D. Before clicking save, click **“options.”**



E. Change centimeters to **MILLIMETERS** and click OK.



F. Put on a flash drive and bring to machine in FAB LAB.