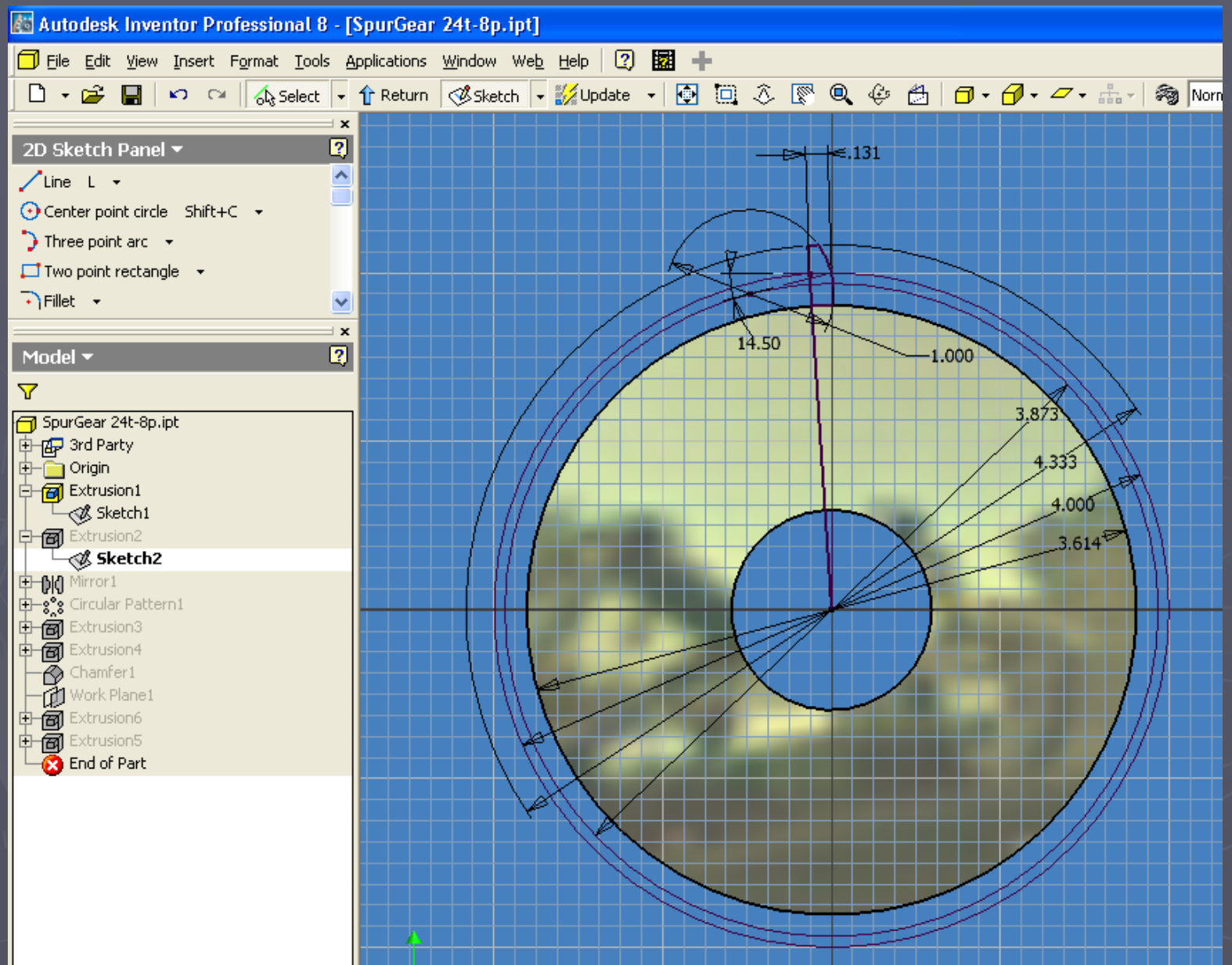
# 3-D Solid Modeling

SCC Engineering Technologies

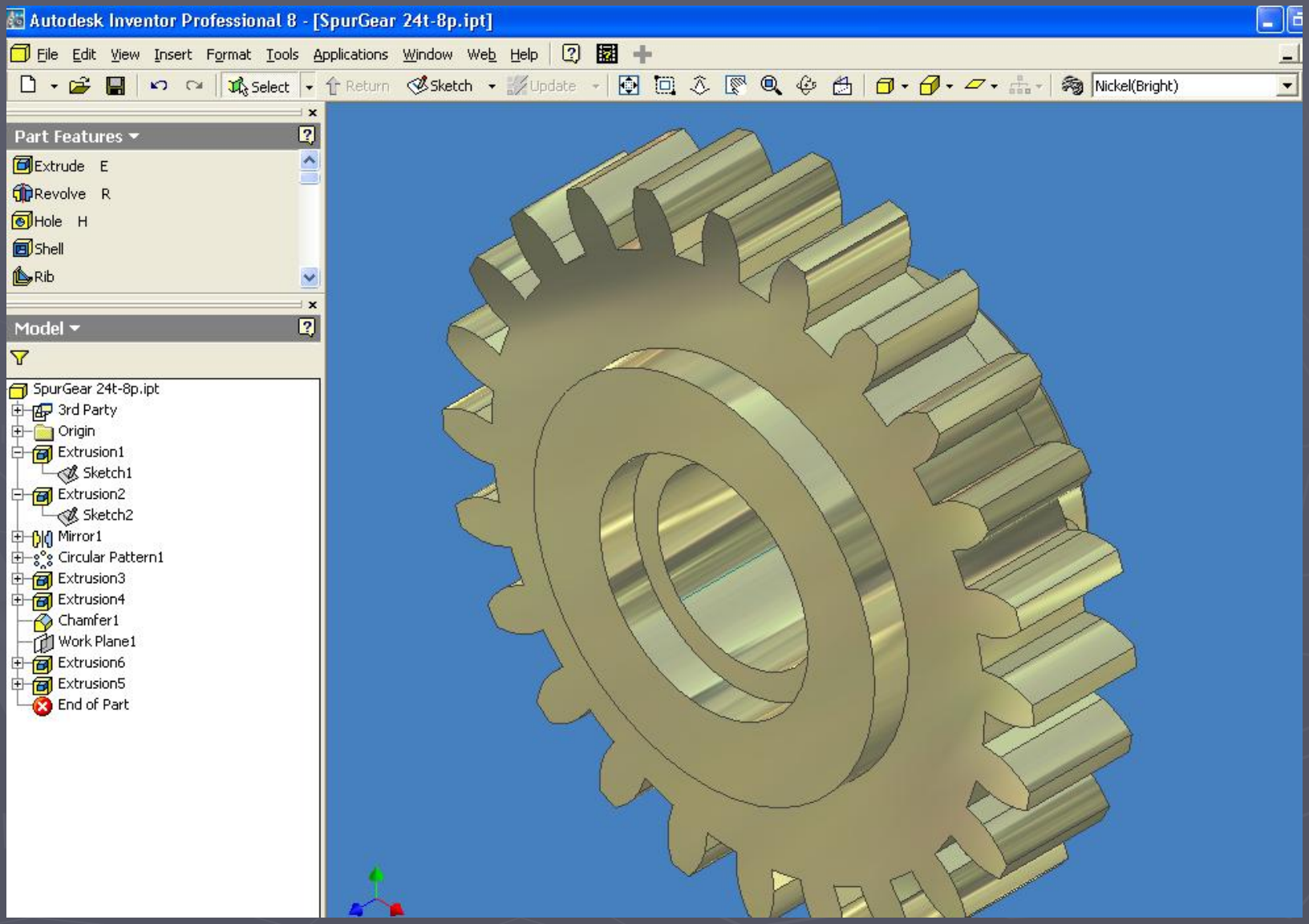
# Creating a Solid Model Part

- There are five basic steps to create a solid printed part:
  - 2-Dimensional sketch in CAD
  - 3-Dimensional Part file in CAD
  - Translate the CAD file to a Solid Printer file
  - Develop Tool Path file for the 3D Printer
  - Print the final part in Solid ABS Plastic

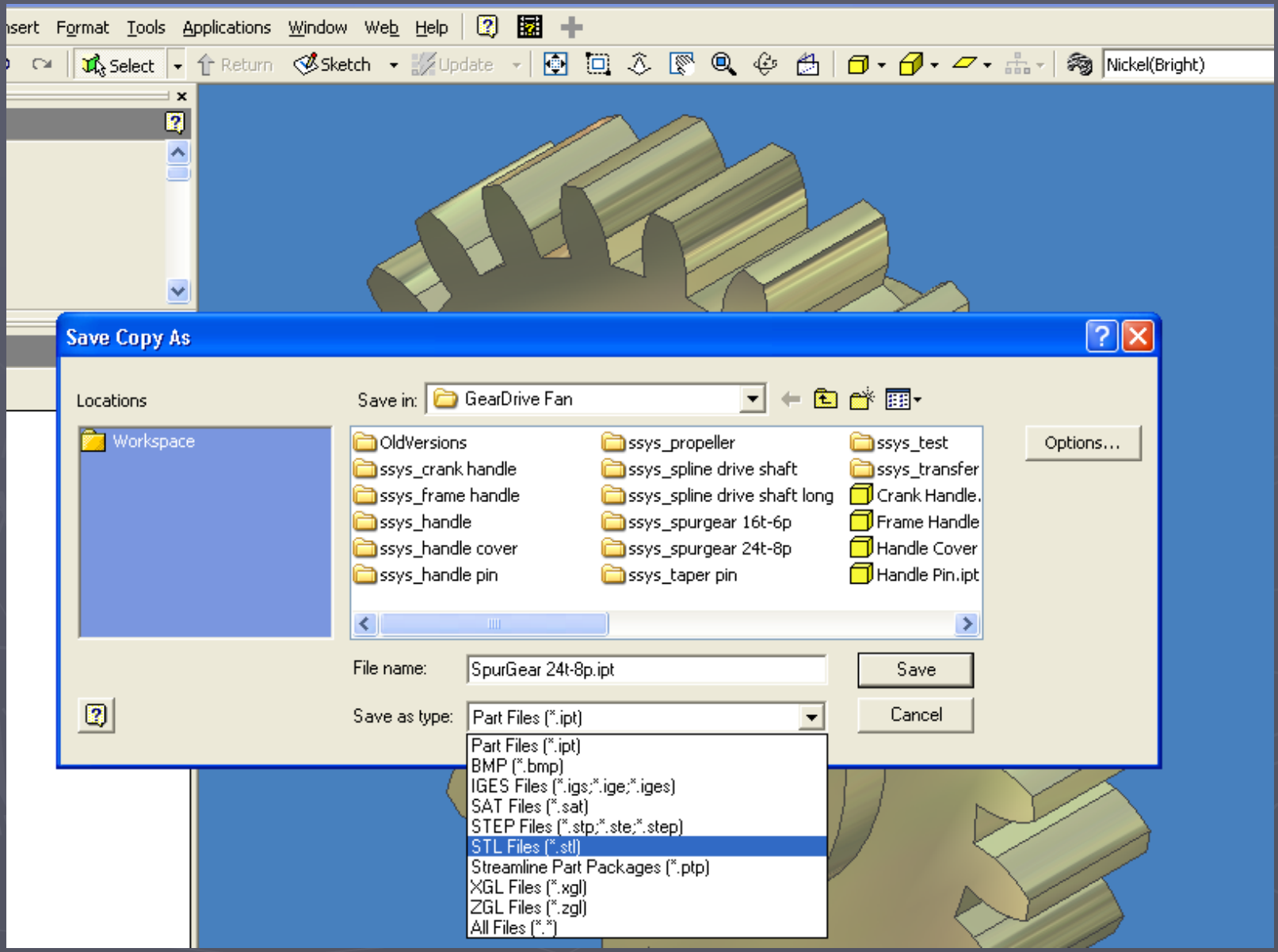
# The 2D Sketch



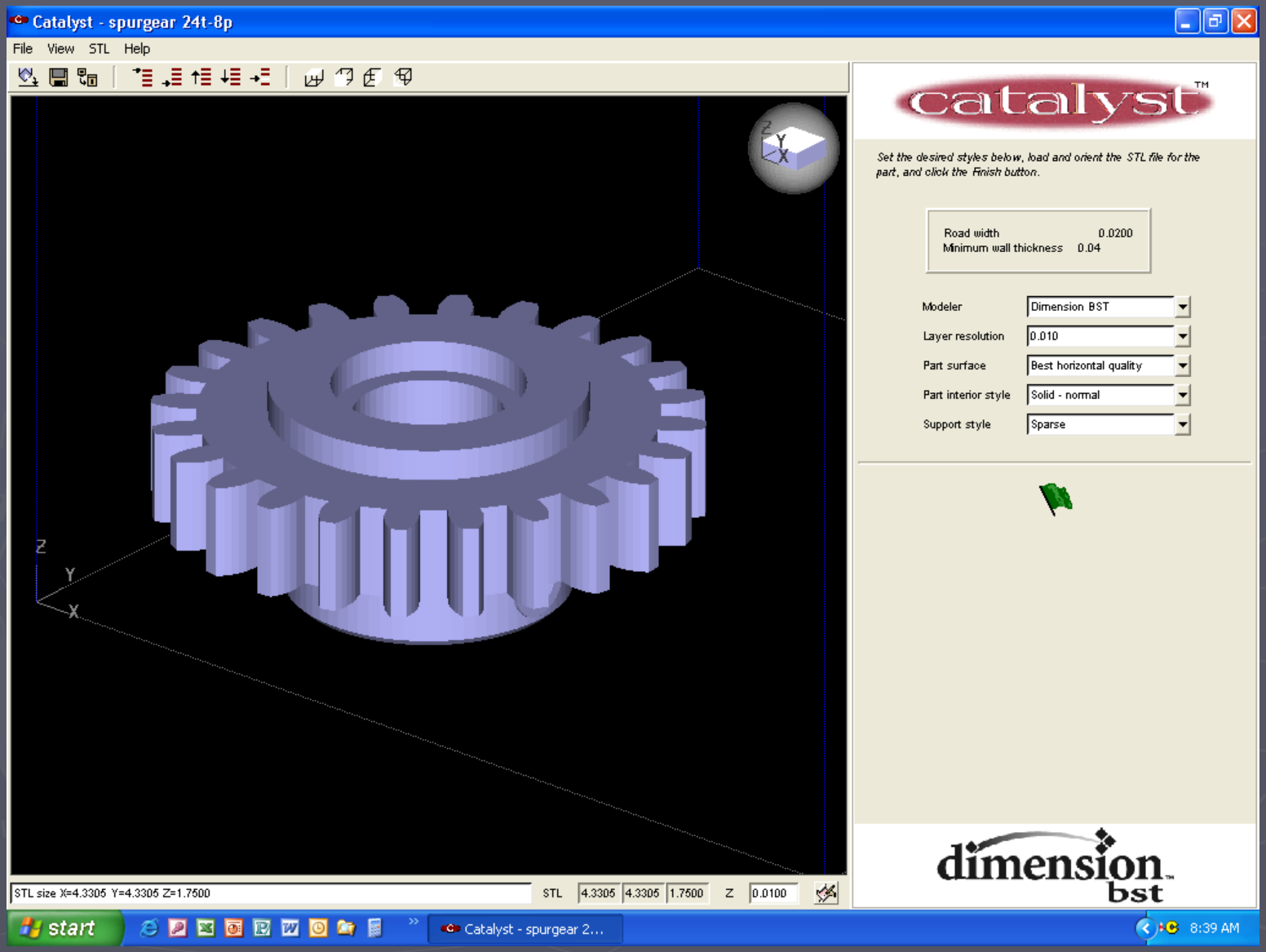
# The Part Extruded into 3D



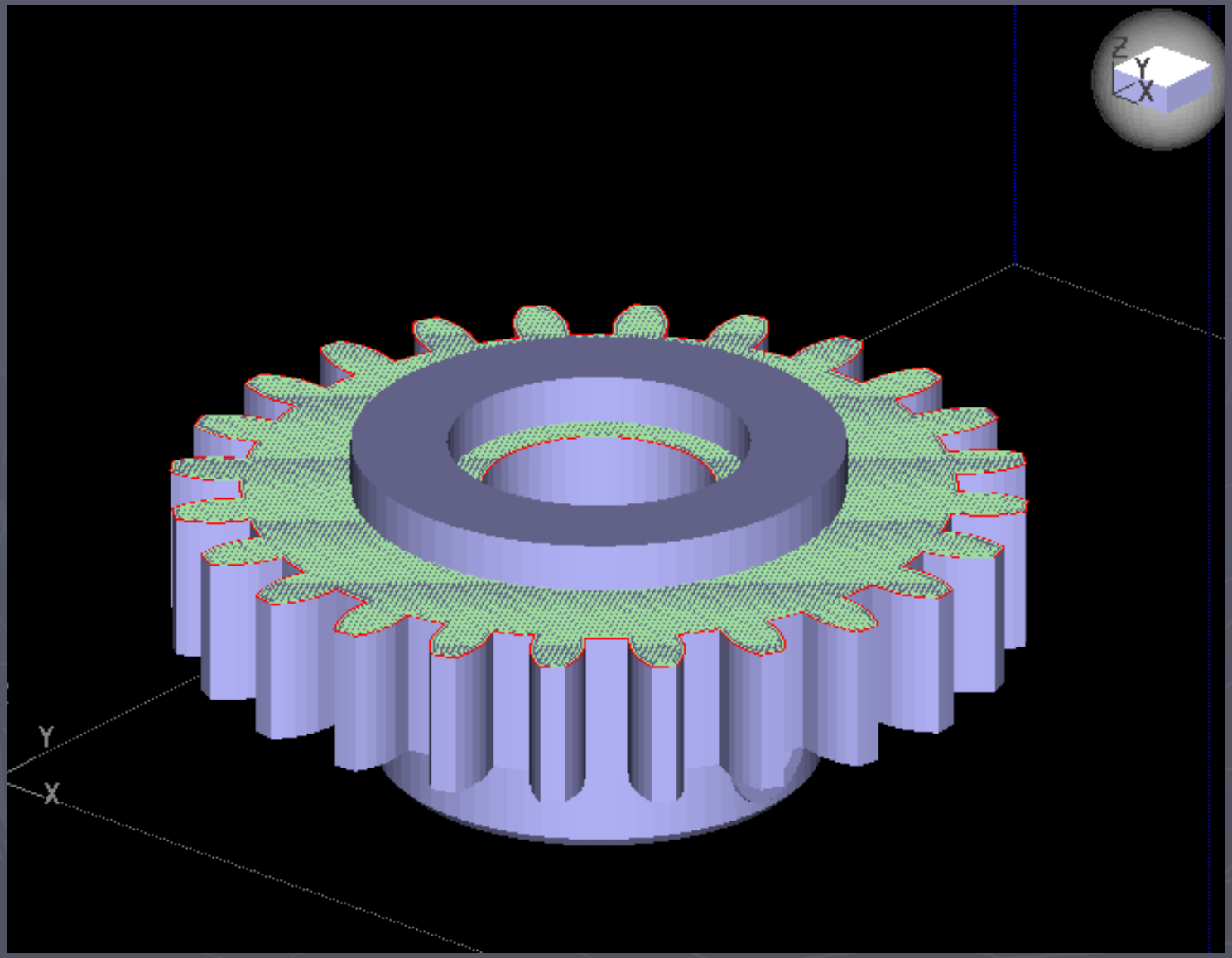
# Translated into Printer format



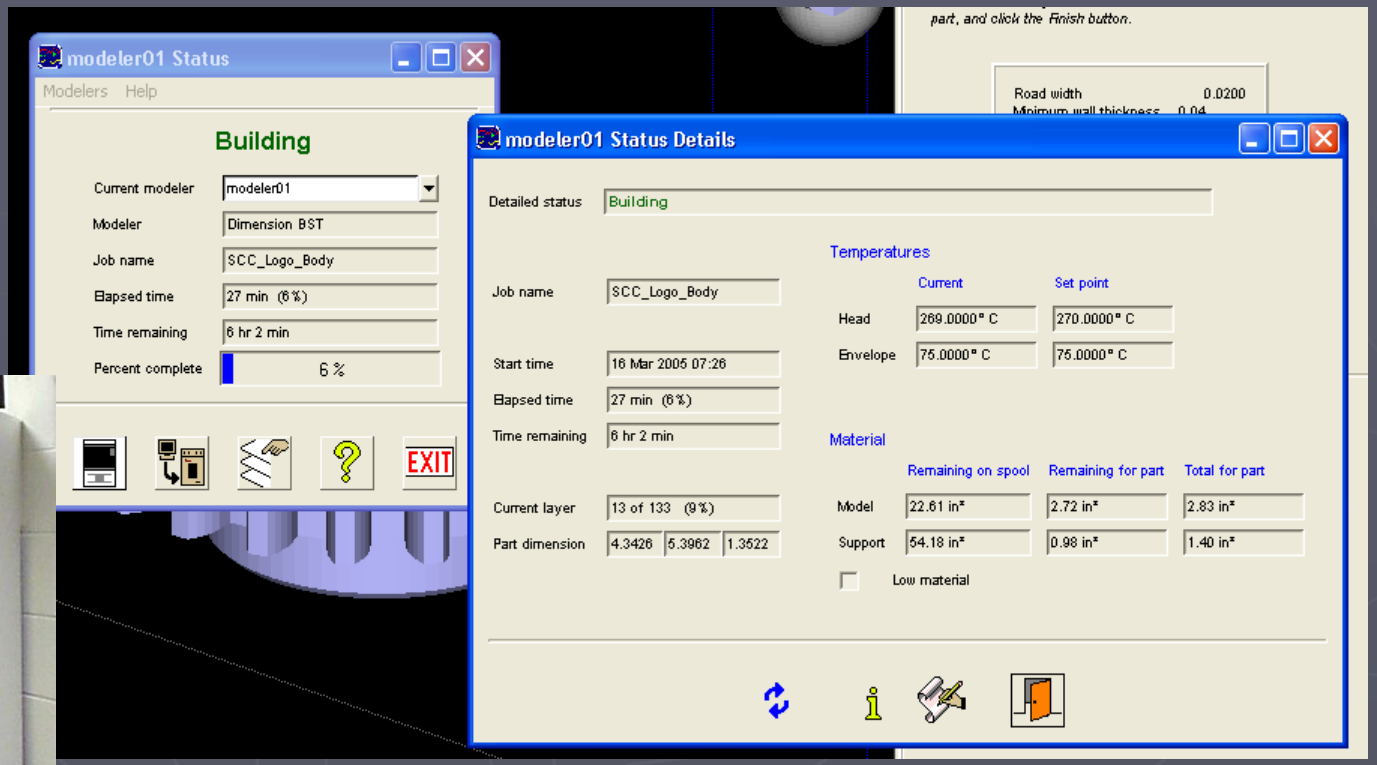
# Load into 3D Printer Software



# Develop 3D Tool Paths



# Print the 3D Part in ABS Plastic



# Final Part Printed and Assembled