Mechanical Group Rosani, Sean and Alex

Tasks:

* Figure out Forces that act onto the ball screw, the chip area and etc.
* Values of the lathe to be found and measured:
  + - Speed of Rotation
    - Torque Needed to Cut Metal
    - Variables
    - Z is the Ball Screw
    - X is the Cutting Tool
* NSK Ball Screw, Basic Info (Alex)
* NSK Lead Screw
* Find out the Cutting Tool (Need to ask Ross)
* Find the material properties of MILD STEEL can be Generalized (Sean)
* Find the information about Cutting into Material (Sean)
* View of the Lathe, Illustration of the Lathe labelled (Alex)
* Specifications of the Lathe
  + - Specifications
    - Dimensions
* Excel Information/Equations of Cutting Forces and Calculations (Rosani)
  + - Cutting Force Calculations
    - Correction Factors
    - Machine Power Requirement