2.000 How and Why Machines Work, Lecture # 4

Today in 2.000

- Manufacturing activities
- Homework 3
- Mfg plant trip?
- No class on Tuesday, Monday schedule

Manufacturing videos available for checkout

- \odot How a car is made
- Ford mfg plants
- Casting
- **⊙** Turning
- Milling
- Extrusion

ME Manufacturing Overview

Manufacturing: Developing processes, products, equipment, and other means to satisfy human/customer needs and create wealth

Key issues:

- We are your resources, use us to learn about the process!
- Consider what you will need to know to do the homework
- Think about how the mfg process/choice relates to the machine function

2.000 Survey of common mfg processes

- 2.007 Design and Mfg. I Design process
 - Design and build a robot
- 2.008 Design and Mfg. II Detail mfg. Processes
 - Design and build tools, process, and associated materials to make a yo-yo

How Design and Manufacturing work



Processes examples





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