



Career Readiness

11857A Robonauts

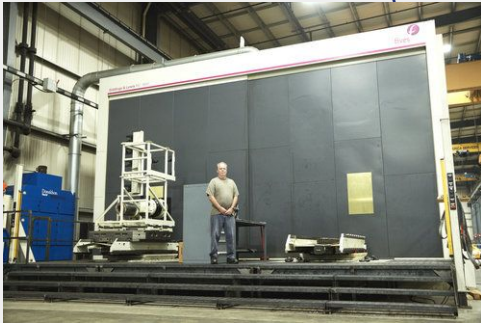
welcome to Major Tool and Machine!

- Major Tool and Machine was founded by Charles w Davis to help assist with the production of jet engines.
- They Specialize in multiple Professions, such as:
 - welding
 - Fabrication
 - CNC Machining



The Robonauts took a field trip.

- what did we see?
 - when our team went to Major Tool, we got to see what types of jobs the company did. when we went into their facility, we watched people weld pieces and parts for submarines, battleships and projects for Nasa. Some of those things were rocket tubes, which are used to shoot the rockets from all sorts of things that are used in the army and Navy, and Nasa.
 - we also learned about individual jobs such as the engineer. They help design, build, and improve the product. The engineers have to work very hard and make whatever they are building to be perfect. If it isn't, whatever it is being used for could fail completely. This is why following the Design Process is so important.



How does Major Tool incorporate the Design Process?

Ask - They hold meetings to discuss what projects to begin researching. They look for problems, and ask companies what they need. Then, they go through their options and choose what they are going to work on.

Imagine - This is the brain storming stage. Major tool begins the very beginning stages of the project they chose in "Ask". They will draw their different ideas and decide what will work best.

Plan - This is the stage where the basic final design is chosen. This is when Major tool creates blueprints, and makes small prototypes. This is how they figure out what they are going to do exactly.

Create - This is the most fun stage. This is where the first models are created. Major tool tries different ideas until the almost perfect model is created.

Improve - this is the final stage, well kind of. This stage can be revisited through the build. Major tool uses this to fine tune everything, and go back and double and triple check to make sure everything works properly.

works Cited

- <https://www.majortool.com/manufacturing/#finishinganchor>

