



Product Name: The Carbonite Compactor repetitive

Description:

As I have grown older, I have begun to appreciate the taste of certain beverages. However, with limited freezer space, large ice cubes used for cocktails are hard to come by. So, when the parameters of this project were set to create something that makes another, I thought that creating an ice press would be perfect. However, this ice press is unique since it can create multiple different designs of ice cubes. There are interchangeable inserts that can be swapped out for one another, depending on the mood. The inserts in the photo depict a childhood obsession, the Death Star from Star Wars.

Manufacturing Comments:

The outer shells and inserts are all machined aluminum with two press-fit steel dowels that allow the top to slide down. This project required approximately 6 hours of straight machining, not including set-up and clean-up time. Each part was designed to have two-part flips so the flip line would not be visible in the final product.

Personal Lessons:

The most important lesson that I learned was the importance of being efficient but safe while operating a CNC machine. It takes a while to learn the setup before using a machine like this but it is paramount to take advantage of the time you have to ensure that the project gets finished.

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