IMAGES OF THE FABRICATION LAB
The fabrication studio is equipped with several tools and equipment to aid students and entrepreneurs alike to complete their projects.
LASER CUTTERS

There are two laser cutters provided in the CRRD CBT Fabrication Studio. One of the laser cutters works with sheets 18" x 24" or smaller, and the other large format laser cutter fits sheets up to 24" x 48". The laser cutter uses a laser, invisible to the eye, to engrave and cut wood, acrylic, glass, leather, and much more!
3-D PRINTERS

The 3-D printers in the lab work from three-dimensional data to create a printed model. The models are made by heating up filament and passing it through the head. The resulting model is plastic or wax and can be used for many different things. Each 3-D printer has its unique benefits. The smaller printers allow for more detail while the large printer allows for a bigger model. The smaller printers differ in the material used (wax or plastic filament). Two of the printers are filament based, the third prints uses a laser-cured resin process.
VINYL CUTTER

The vinyl cutter works with vinyl rolls or sheets up to 24” wide. This tool is great for signage and can be used in conjunction with laser cut wood or acrylic to create unique designs for personal and business projects alike!
CNC ROUTERS

The small scale CNC router in the fabrication studio is a three-axis machine. The one provided in the studio is meant for small volumes. However, there is a large scale CNC router to be built in conjunction for the fabrication studio and will be housed in the construction lab in Otto Olsen. This CNC router will allow for much greater volumes than the small scale one currently provided.
3-D SCANNER

The 3-D scanner provided in the lab is meant for all scales of objects. The scanner records three-dimension data for computer-based manipulation.