



USTAR INNOVATION CENTER EQUIPMENT

3D Printers

Objet30 Pro - the Objet uses PolyJet technology to lay down precise layers of liquid photopolymer onto the build tray and cures it with UV light to create functional models.

Objet WaterJet Cleaning Station - the Objet Waterjet Cleaning Station uses a pressurized water to rinse and clean away 3D printed support material.

Dimension 1200es - the Dimension 1200es uses Fused Deposition Modeling (FDM) technology to lay down precise layers of ABS modeling material to create functional models.

Support Cleaning Apparatus SCA1200HT - the Support Cleaning Apparatus (SCA1200HT) uses a heated solution of water and Sodium Hydroxide to soak away the 3D printed support material.

Laser Cutter & WaterJet

Laser Cutter - Universal Laser Systems PLS150D Laser Cutter - the Universal PLS150D Laser Cutter engraves and cuts many materials using a precisely focused laser beam leaving an edge with a high-quality surface finish.

WaterJet - OMAX 55100 WaterJet - the OMAX 55100 waterjet uses a high-pressure jet of water and abrasive to cut all kinds of metals, composites, glass, ceramics and stone up to 3 inches thick with no heat affected cutting zone.



METAL SHOP

Haas Tool Room CNC Mill - the Computer Numerical Controlled (CNC) Mill cuts prismatic and cylindrical parts using rotating tools and a stationary workpiece on a variety of materials.

Haas Tool Room CNC Lathe - the Computer Numerical Controlled (CNC) Lathe cuts metallic or plastic material by rotating the part against a stationary cutting tool to create precise cylindrical parts.

Jet Belt & Disc Sander - the JET Belt & Disc Sander is used to remove sharp edges and form shapes on metal and wood products.

15" Bench Drill Press - the 15" Bench Drill Press, uses rotating precision drill clamped in a chuck to manually penetrate a clamped metal or wood work part.

18" Metal/Wood Cutting Band Saw - the 18" Metal/Wood Cutting Band Saw, is a versatile tool that offers seven different speeds for cutting metal and wood products.

WOOD SHOP

10" Contractor Table Saw - the 10" Contractor Table Saw offers precise cutting performance for all wood products up to 3 ¼ inch thick.

Milwaukee 8" Panel Saw - the Milwaukee 8" Panel Saw is used to accurately cut wood, plywood, MDF, laminates, plastic sheets and melamine sheets into sizes or cabinet components.

DeWalt 12" Double Bevel Sliding Compound Miter Saw - the DeWalt 12" Double Bevel Sliding Compound Miter Saw creates angled cuts on either the left or the right side of a material, allowing for cuts in both directions without the need to rearrange the material.

***USTAR will be purchasing additional equipment FY2017 & FY2018 (i.e. CNC Router, 3D Scanner, etc.)*