Machine Shop
MechSE Machine Shop Location
The MechSE Machine Shop is only open for walk-in consultations, questions and other assistance during following hours

**Monday – Friday**
**1:00 PM – 4:00 PM**

During the morning hours, the shop staff is busy working on projects for clients. We would appreciate it if you could limit your drop-in visits to the afternoons to maximize work flow. However, if you have an urgent need to talk to someone, you may knock at room 1121, 1123 or 1125 after 8:15 AM.

Thank you for your cooperation.
Consulting

Time, Parts, Cost

Idea, Durability, Processes, Sketches, Tools, Alternatives, Manufacturability, Materials, Safety, Resources
The following items were made for a variety of clients…
Education 2012

Tops
Research 2012

Heatsink
Bioengineering 2012

12,000 small holes!
Educational Programs 2012

Measuring Device
ME 470

Heat Exchanger
Research 2012

Mask
ME 470

Rail Car
Machine Component
Cell Pressure Chambers
Optical Instrument

Research 2011
Research 2012

Microscope Mount
Research 2009
Support Plate
Research
Optical Mask
Research
Stepper Motor Frame with µP Control
Processes and Capabilities
Welding:
- steel, stainless steel
- aluminum
Milling
Electrical Discharge Machining
Waterjet Cutting

MAXIEM 1515 Waterjet

This abrasivejet system cuts complex flat parts out of most materials including metal, plastic, glass, ceramics, stone and composites directly from a CAD or DFX file. Extremely hard, reflective and nonconductive materials can also be cut, making it a valuable addition to the MechSE Machine Shop capabilities. Parts are cut directly from plate with a single tool dramatically reducing setup time and material usage.

- 50,000 PSI pump
- Does not create heat-affected zones or mechanical stresses
- No tool changes required
- Minimal fixturing
- X-Y cutting travel 5’-2” x 5’-2”
- Maximum traverse speed 350” / min
- Repeatability 0.002”
- Intelli-MAX software with CAD / CAM
Waterjet Cutting
Thank you for your interest.