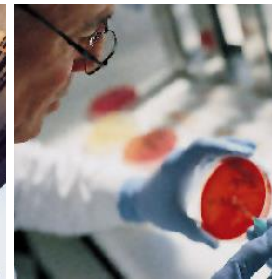


MTS Machine Shop



General Machine Shop Safety



General Machine Shop Safety



Work Practices:

- Never handle metal chips or shavings with bare hands, always wear protective cut proof gloves.
- Never attempt to remove chips or shaving from a “live” or running machines.
- Use overhead cranes for lifting parts weighing more than 30 lbs
- Ask for assistance when lifting large or awkward parts into or out of machines or onto pallets
- Identify safety hazards around the work area and notify co-workers of any unsafe practices you might see.
- Never place hands or other body parts on or around spindles when it is rotating.
- Never reach into or enter the machining area while the machine is running.
- Never cross over or reach through guards when the machine is in automatic cycle. All OEM safety guards or features such as door inter locks need to be active while machines are in automatic cycles.
- Never enter electrical panels. Only qualified maintenance personnel may access electrical panels.

General Machine Shop Safety



Apparel:

- Safety Glasses WITH side shields are mandatory in all operations areas
- Safety Shoes are mandatory in all operations areas
- Hearing protection is recommended.
- Refrain from wearing loose fitting, loose articles of clothing can be caught in machinery and cause serious injury.
- Protective gloves must be worn if handling metal shaving and chips, as well as parts and tools with sharp edges
- Refrain from wearing loose fitting jewelry, rings, watches, bracelets and necklaces when working around machinery.
- All hair collar length or longer should be tied up/or back.

General Machine Shop Safety



Equipment:

- Never reach in or around moving equipment. Spindles, Axis Drives, Rotating Shafts, Belts and Pulley's are all hazards that have the potential for serious injuries.
- Report any equipment that is not functioning properly. Daily inspection of safety guards, Feed and speed controls and safety emergency shut down options installed by the manufacturer of equipment must be in proper working condition before operating any equipment.
- Any modifications made to equipment or the removal of and or the failure to use all original safety equipment is strictly prohibited
- Keep tooling stored in proper locations to limit exposure of sharp edges
- Inspect all lifting equipment including eye bolts, shackles, straps, and chains before using them.
- All air lines are not to exceed 125 psi. All air nozzles are required to have 30psi restrictors used on them.
- All machinery equipped with door interlocks must be used as safety precautions during normal operation of the machine tool.

General Machine Shop Safety



Work Areas:

- Slip Trip Hazards: Always be aware that slip and or trip hazards may exist. Good housekeeping practices should be maintained
- Sweep and clean any slippery substances from the floor
- Keep aisles clear of raw or in-process materials
- Be familiar with where fire extinguishers are located. Never block access to these.
 - Special fire extinguishers for when machining titanium are located near the A66, Cinturns, and manual lathes
- Be familiar with emergency exit routes and severe weather locations. Keep all aisles leading to emergency exits clear at all times.
- Read and familiarize yourself with the proper handling or use of all chemicals before using. MSDS sheets are available to all personal.

General Machine Shop Safety



Use good machining principles.

- No unauthorized personnel shall operate any equipment in the Machine Shop. All requests to use the Shops equipment should be directed to the Shop Supervisor.
- Never use broken tooling. Dispose of broken tooling properly.
- Make sure work piece is properly secured before performing any machining operations.
- Short, rigid tooling should be used. Do not over extend cutting tools.
- Never leave chuck wrenches, or any other tools on or in machine chucks, or beds of any machine tools. Keep entire work zone clear of all clutter.
- Always wait until all machines come to a complete stop before entering the work zone.
- Never attempt to run any equipment that you have not been trained to operate.
- Avoid distractions...Concentrate and stay focused on your work.
- Safety first. If you cannot find a safe approach Stop!!!!