



SUSTAINABILITY INITIATIVES

Manufacturing Operations | Reno, Nevada

- **Eco-Friendly Solvents** | Water soluble semi-synthetic cutting fluid is used, which is a non-toxic environmentally safe fluid, used in water with a concentration level between 8-13% by volume. The machining oil used is a non-chlorinated cutting and lubricating straight oil that is also non-toxic. Both fluids are classified as a non hazardous waste by the EPA.
- **Lighting** | Our facility has been converted from metal halide high bay lighting to T5 high output lighting. This new lighting is estimated to save 17,332 kilowatts annually.
- **Motion Sensors** | All T5 lights in our facility are equipped with motion sensors and turn off at a predetermined time if no activity is recognized. Additionally all break rooms, conference rooms, restrooms and some offices are equipped with motion sensors.
- **Energy Reducing Machinery** | Gyford Productions is continually upgrading its manufacturing processes with the latest in state of the art manufacturing equipment. Lower energy consumption machines have replaced older equipment cutting power usage by at least 35-40 percent.
- **Air Compressors** | More efficient rotary screw compressors have replaced traditional piston type compressors using less power, cycling less often, using less space and are quieter.
- **Exhaust Systems** | Several of our machines are equipped with a mist collector system to help reduce air particulates that are created in the machining processes.
- **Thermostats** | Office thermostats are localized and programmed for automatic operation and are set according to the recommend settings by our local energy company. Within the manufacturing processes employed at Gyford Productions the need to operate heaters in the manufacturing departments is at a minimum. This is due to the recycling of heat produced from our equipment.



Materials Recycling, Reduction, and Reuse

- **Recycle** | It is our policy to use only U.S. processed aluminum. Aluminum is the most commonly recycled post consumer metal in the world.
- **Recycle** | Our manufacturing group recycles all scrap metals, damaged parts, QA rejects, solids and shavings. Even the smallest aluminum particles are strained and collected for recycling.
- **Recycle** | The IT department recycles and donates all e-waste.
- **Recycle** | All toner products are recycled.
- **Recycle** | Aluminum, glass, plastic and paper containers are collected in our lunchrooms to be recycled.
- **Reduce** | Through our continuous recycling initiatives, we added a waste water evaporator. This machine is engineered to safely and efficiently evaporate all water content from our facilities waste water, leaving only a small residue requiring disposal. This process reduces environmental impact and operational cost.
- **Reduce** | Air quality has been tested in our manufacturing operation to ensure that our filtration systems are working to protect our personnel and minimize pollutants entering the atmosphere.
- **Reuse** | We collect, filter and reuse all shop fluids. Any materials that cannot be reprocessed at our facility are sent to qualified chemical processors and recyclers to be refined and reused.
- **Reuse** | Office copy paper is printed on both sides and then shredded for packing material.
- **Reuse** | We reuse inbound shipping cartons and packing materials. Old newspapers are used as packaging and filler materials.

Product

- Gyford StandOff Systems® decorative mounting hardware is practically perfect. Manufactured from U.S. melted and manufactured recycled aluminum and 316 stainless steel, it is 100% recyclable. Our aluminum components come standard with a non-toxic clear anodize finish. Anodizing is an acceleration of a natural oxidation process. It does not produce harmful or dangerous by-products, and thereby is not harmful to the environment or human health.