



## COMMONLY OVERLOOKED MAINTENANCE AREAS

- Optics alignment after PM (Preventive Maintenance) service is recommended on laser.
  - Symptoms of problem:
    - Poor cutting performance.
    - Poor optics life.
- If your gas of choice is shop air, compressed air, make sure it's contamination free and moisture free.
  - Tip:
    - Check the lines are always clean and the system maintains proper air pressure and filtration. This should be done routinely.
- If your laser is idle for a long time, the water in the chiller unit tends to build up conductivity (ability to conduct an electrical current).
  - Recommended procedure:
    - To lower chillers conductivity level, you should run the chiller unit for a few minutes before laser cutting.
- Keep your equipment clean.
  - The buildup of debris, dust, grease and grime can cause:
    - Lack luster performances.
    - Can create thermite hazard. Thermite can cause significant damage to equipment.
- Check the gas delivery.
  - Guideline you can follow:
    - Every time the resonator gas bottles are changed, apply soap to them. This will tell you if there's a leak present.