# VersaLaser Engraver/Cutter Tool

**Manager:** Beth Rhoades  
**Backup:**  
**Backup:** Edward Camacho

<table>
<thead>
<tr>
<th>Work Phone</th>
<th>Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.</th>
</tr>
</thead>
<tbody>
<tr>
<td>254-4918</td>
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<tr>
<td>254-4309</td>
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<td>254-4853</td>
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## Safety
- Tool uses high power CO2 IR laser for cutting and engraving.  
- Avoid fumes from processed materials  
- Combustible materials may be ignited by the laser.  
- Avoid staring at the bright cutting point during cutting.

## Process Restrictions
### Material Restrictions
- All material cut must be approved by tool manager.  
- Materials that continue to outgas after processing should be kept in a fume hood until outgasing is complete.

### Parameter Restrictions
- Use the lowest laser power setting necessary.

## Scheduling / Sign-up Restrictions
- None

## Requirements (Do Every Time)
- Be sure to turn on the nitrogen flow during cutting  
- Measure and enter the material thickness  
- Manually focus the laser beam on the material (unless using Material Database)  
- Wait at least 1 minute after the cutting has completed before opening the lid.

## Prohibitions (Never Do)
- NEVER leave the tool unattended while cutting.  
- NEVER leave materials in the tool.

## Common Problems

<table>
<thead>
<tr>
<th>Problem:</th>
<th>Root Cause:</th>
<th>Solution:</th>
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<tbody>
<tr>
<td>Laser won't turn on</td>
<td>Computer glitch or software install</td>
<td>Disconnect USB (grey cable) at back of laser. Restart computer and then plug USB cable back in. Press Power Button on laser.</td>
</tr>
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</table>

## Other Comments or Cautions

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