

Laser Lab Inspection Checklist-Embedded Lasers

Building/Room: _____ Authorized User: _____

Inspection #: _____

Inspection Detail

- | | | |
|-----------|---|----------------------|
| 1 | Inspection Item: This inspection is | Result: |
| | Item Details: | |
| 2 | Inspection Item: Laser Supervisor has completed online GT Laser Safety Training and Submitted LU-1 Laser User Registration. | Result: |
| | Item Details: | |
| 3 | Inspection Item: All users have received operational training by the Laser Supervisor or the Laser Supervisor's designee | Result: |
| | Item Details: | |
| | Operational training provider | Training documented? |
| | How documented? | |
| 4 | Inspection Item: Laser Supervisor has submitted a Form LR-1, Laser Registration to the LSO for each laser | Result: |
| | Item Details: | |
| 5 | Inspection Item: Protective housing present and in good condition | Result: |
| | Item Details: | |
| 6 | Inspection Item: Viewing windows free of cracks or other damage that may compromise laser attenuation capabilities | Result: |
| | Item Details: | |
| 7 | Inspection Item: Protective housing label present on all removable panels | Result: |
| | Item Details: | |
| 8 | Inspection Item: Primary protective housing door interlocked to prevent or stop laser operation when open | Result: |
| | Item Details: | |
| 9 | Inspection Item: Interlocks are operational | Result: |
| | Item Details: | |
| 10 | Inspection Item: Is the system ever operated with the interlocks defeated and the protective housing open? | Result: |
| | Item Details: | |
| 11 | Inspection Item: Only Laser Supervisor, fully trained Laser User, or third party technician operates system with interlocks defeated | Result: |
| | Item Details: | |

12 **Inspection Item:** A written SOP is available for operation of the system with interlocks defeated. **Result:**

Item Details:

13 **Inspection Item:** Laser eye protection is available for use when the interlock is defeated **Result:**

Item Details:

14 **Inspection Item:** Laser eye protection is labeled by the manufacturer with the protected wavelength and optical density (OD) information **Result:**

Item Details:

15 **Inspection Item:** Gas cylinders are secured against tipping **Result:**

Item Details:

16 **Inspection Item:** Applicable gas cylinders are stored in a gas cabinet in accordance with the GT Dangerous Gas Program (Table 1) **Result:**

Item Details:

Additional Items for Laser Engraving/Cutting Systems

17 **Inspection Item:** Constant physical supervision by operator required during system operation **Result:**

Item Details:

18 **Inspection Item:** Sign posted that clearly lists materials not allowed for use in the system **Result:**

Item Details:

19 **Inspection Item:** Fire extinguisher is located in the room **Result:**

Item Details:

20 **Inspection Item:** System and surrounding area kept clean and free of flammable debris **Result:**

Item Details:

21 **Inspection Item:** System connected to ventilation that exhausts to building exterior **Result:**

Item Details:

22 **Inspection Item:** Ventilation operational **Result:**

Item Details:

23 **Inspection Item:** Machine powered down after use **Result:**

Item Details:

24 **Inspection Item:** Emergency shutdown is available for the system **Result:**

Item Details:

25 **Inspection Item:** Describe routine maintenance or service conducted and who performs the activities **Result:**

Item Details:

Maint./service description

26 **Inspection Item:** Describe access controls in place to restrict operation to properly trained users **Result:**

Item Details:

Access control description:

Performed by: _____

Date: _____