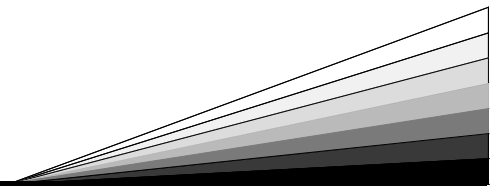


# X-RAY SCIENCE DIVISION

## 437/C001 Facility Hazard Analysis



The purpose of this form is to serve as a summary of facility characteristics, recognized hazards, implemented hazard controls, pertinent sources of information, and incident reporting contacts.

**Scope of work conducted in this facility:** Ultrasound cleaning, Wafers bonding.

**Hazardous materials/equipment associated with this facility:**

|                 |                  |                            |
|-----------------|------------------|----------------------------|
| Compressed Gas  | Organic Solvents | Mechanical Oven 40c – 300c |
| Bench Top Press | Vacuum Equipment | Hot plates                 |

**Hazards associated with this facility:**

|                  |          |          |
|------------------|----------|----------|
| Electrical       | Chemical | Pressure |
| High Temperature |          |          |

**Hazard controls implemented within this facility:**

**Engineered Controls**

GFCI outlets

**Procedural Controls**

Chemical Storage Cabinet  
Broken Glass Disposal  
Sharps Disposal

**PPE**

Safety Glasses/goggles  
Face Shields  
Lab Coats  
Gloves

**Relevant ESH manual chapters that may be associated with this facility:**

- 1) Ch. 4.3 Laboratory and Chemical Safety
- 2) Ch. 7.12 Safe Use of Tools
- 3) Ch. 9.1 Electrical Safety

**Pertinent safety training courses that may be associated with this facility:**

- 1) ESH115 Laboratory Hazard Communication Training
- 2) ESH371 Electrical Safety Training – General
- 3) DIV816 Hazard Specific Training - Compressed Gas
- 4) ESH119 Pressure Safety Orientation
- 5) ESH574 Chemical Waste Generator

*Note: This is not intended to be an all-inclusive list of training that is required to work within this facility. The authoritative record of required training is depicted by the individual's JHQ.*

**Incident reporting contacts :**

\*\*\*\*Dial 911 in an emergency\*\*\*\*

|                     |            |                   |
|---------------------|------------|-------------------|
| Lab Safety Captain: | Ayman Said | Extension: 2-8646 |
| Group Leader:       | Thomas Gog | Extension: 2-0320 |
| ES&H Coordinator:   | Paul Rossi | Extension: 2-4192 |

Facility hazard analysis completed by: \_\_\_\_\_  
Lab Safety Captain or designee Date

Reviewed and approved by:

|                  |       |
|------------------|-------|
| _____            | _____ |
| ES&H Coordinator | Date  |
| _____            | _____ |
| Line Management  | Date  |

*This hazard analysis must be reviewed and updated whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.*