

Tools and Documentation

Tools That Require Training

3D Printers

| Tool | Location | Training SOP |
|--|----------|-------------------------------|
| FormLabs Form3 SLA 3D Printer | 3430 | Form 2/3 SOP |
| Ultimaker3/S5 Extended Dual FDM 3D Printer | 3430 | FDM Training |
| Stratasys F270 FDM 3D Printer | 3430 | FDM Training |
| Bambu Lab X1-Carbon FDM 3D Printer | 3430 | X1-Carbon SOP |

PDMS Processing

| Tool | Location | Training SOP |
|--|----------|--|
| Laurell WS-650M Spin Coater | 3430 | laurel_spin_coater.pdf |
| Thinky ARE-310 Mixer | 3430 | Thinky Mixer |
| Harrick Plasma Cleaner PDC-32G | 3430 | Plasma Cleaner SOP |
| Novascan Ozone Cleaner | 3430 | Ozone Cleaner SOP |
| Vapor Silanization Rig New | 3430 | Vapor Silanization Rig SOP New |
| Vacuum Chamber | 3430 | Vacuum Chamber SOP |

Metalworking & Woodworking

| Tool | Location | Training SOP |
|--|----------|--|
| Bandsaw | 2442 | Bandsaw Safe Operating Procedure |
| ShopBot Desktop CNC Router | 2442 | ShopBot Desktop Training SOP |
| Diamond Saw | 3430 | Dimond TrimSaw 2 Training SOP |
| Flashcut / Sherline CNC Mill | 3430 | Sherline CNC Training SOP |
| WEN vertical Drill Press | 2442 | Cnsi Drill Press SOP |
| Delta 6" Bench Grinder | 2442 | CNSI Innovation Workshop Benchtop Grinder User Outline |
| Grizzly bench Combo Disk/Belt Sander | 2442 | CNSI Innovation Workshop Grizzly H8192 Combination Belt/Disk Sander User Outline |
| Precision Matthews Milling Machine | 2442 | Manual Milling Machine Training SOP |
| Haas Super Mini Mill | 3430 | Haas Super Mini Mill Training SOP |
| Festool Miter Saw | 2442 | Miter Saw Training SOP |
| Precision Matthews Lathe | 2442 | |

Other

| Tool | Location | Training SOP |
|---|----------|--|
| Keyence VHX-5000 Microscope | 3430 | keyence_vhx-7000_sop.pdf |
| Wazer Waterjet Cutter | 2442 | Waterjet SOP |
| CrystalMark Etching Tool | 3430 | CrystalMark SOP |
| Thunder Laser Cutter | 3430 | thunder_laser_sop.pdf |

Other Available Tools

Microfluidics Tools

| Tool | Location |
|--|------------|
| Pressure Casting Chamber | in storage |
| 36W 365 nm UV Exposure System | 3430 |
| New Era Single Syringe Pumps | 3430 |
| Harvard Apparatus Dual Syringe Pumps | 3430 |
| Electro-Technic BD-20AC Corona Treater | 3430 |
| Pipette Cutter | 3430 |
| Sonicator Bath | 3430 |

Heating Tools

| Tool | Location |
|---|-------------|
| Vacuum Oven | 3430 |
| Thermoline 1315M Furnace | in storage |
| Yamato DKN400 Convection Oven | 3430 |
| Lindberg Blue M Convection Oven | 3430 |
| Thermoline/Lindberg Blue M Oven | in storage |
| Hot Press | 3430 |
| Corning 6795-620D Hot Plate | 3430 & 2442 |
| Programmable Hot Plate | 3430 |

Measurement and Inspection Tools

| Tool | Location |
|--|-------------|
| Electronic Scales | 3430 & 2442 |
| Height Gauge | 3430 & 2442 |
| Fisher Acumet pH Meter | 3430 |
| Thermal Camera | 3430 |
| Canon Camera | 3430 |
| Nikon Camera | 3430 |
| Boroscope | 2442 |

Metalworking and woodworking tools

| Tool | Location |
|----------------------------------|----------|
| Mini Drill Press | 2442 |
| Jig Saw | 2442 |
| Arbor Press | 2442 |

Electronics tools

| Tool | Location |
|--|----------|
| Xytronic LF-853D soldering station | 3430 |

| Tool | Location |
|------------------------------------|----------|
| Digital Volt Meter | 3430 |
| Oscilloscope | 3430 |

Post-Processing for 3D Prints

| Tool | Location |
|---|----------|
| FormCure UV Curing Station | 3430 |
| Form Wash Cleaner | 3430 |
| SCA 1200 HT NaOH parts bath | 3430 |

Other

| Tool | Location |
|---------------------------------------|----------|
| CriCut | 3430 |
| EinScan-SP 3D Scanner | 3430 |
| Laminator | 3430 |
| Sewing Machine | 3430 |

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