

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	laurel_spin_coater.pdf	
Trotec Speedy 100	3430	Laser cutting SOP	
Wazer Waterjet Cutter	2442	Waterjet SOP	
CrystalMark Etching Tool	3430	CrystalMark SOP	

Tool	Location	Training SOP	
Thunder Laser Cutter	3430		laurel_spin_coater.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
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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