

Micro/Nano Fabrication Center Pricing External Academic & CSIT Grant Recipient Users

Effective September 1, 2024.

New User Fee One-time fee to cover administrative costs to setup a new user and their initial supplies.	\$200
Daily Entrance Fee Once per day fee to cover lab consumables (cleanroom laundry, gloves, chemicals, etc.) and free to use tools.	
- Cleanroom	\$60
- Soft Material Processing Lab	\$40
- Packaging Lab	\$60
Minimum Tool Charge Minimum charge for tools that have an hourly cost. Some tools with long run times may have a larger minimum cost, as we seek to make the pricing fairly distributed.	15 minutes
Staff Cost (remote work cost in addition to tool cost)	\$160/hr

Tool Charges

Tool costs will be billed hourly at the following rates.

Area	Tool	Hourly Rate
Deposition	Angstrom Covap	\$80
Deposition	Angstrom Dielectric Sputterer	\$80
Deposition	Angstrom Dual Chamber	\$80
Deposition	Angstrom Metals Sputterer 1	\$80
Deposition	Angstrom Metals Sputterer 2	\$80
Deposition	Angstrom Nexdep	\$80
Deposition	Oxford PlasmaPro100 ICP-CVD	\$80
Deposition	Savannah ALD	\$80
Deposition	SEM Sputter	\$70
Etch	Oxford PlasmaPro 80 RIE	\$80
Etch	PlasmaTherm 720 SLR RIE	\$80
Etch	SAMCO 200 IP III-V Etcher	\$80
Etch	SAMCO 800 Deep Si Etcher	\$80
Etch	Takachi Diamond Etcher	\$80
Etch	Takachi III-V	\$80
Etch	Takachi Metal Etcher	\$80
Etch	Tepla IoN 40 O2 Etcher	\$70
Etch	Versaline	\$80
Lithography	Heidelberg DWL 66+	\$80
Lithography	Litho Workstation	\$48

Lithography	Polos Cr Etch Spin Processor	\$0
Lithography	Suss MA6	\$70
Lithography	Suss MJB4	\$70
Lithography	YES Oven	\$70
Metrology	Filmetrics F40UV	\$0
Metrology	Gaertner Ellipsometer	\$0
Metrology	Hitachi SEM	\$80
Metrology	Keyence Confocal	\$70
Metrology	Keyence VHX-6000	\$48
Metrology	Nanospec	\$0
Metrology	P17 Profilometer	\$70
Metrology	Probe Station, 4200A-SCS	\$70
Metrology	Rame Hart Contact Angle Measurement	\$48
Metrology	Signatone 4-Pt Probe Station	\$70
Nanolith	Beamer	\$80
Nanolith	Cold Development Tank	\$0
Nanolith	EBPG 5150+	\$200
Nanolith	Nanonex	\$80
Nanolith	Raith eLine	\$120
Packaging Lab	ADT Dicing Saw	\$80
Packaging Lab	K&S 4124 Au Ball Bonder	\$80
Packaging Lab	K&S Manual Wire Bonder	\$80
Packaging Lab	Logitech Lapping-Polishing System	\$70
Packaging Lab	Loomis LSD-100 Scribe-Dice	\$70
Packaging Lab	Questar Automatic Wire Bonder	\$80
Packaging Lab	Tresky Flip Chip Bonder	\$70
SMP Lab	D120 Profilometer	\$48
SMP Lab	Form2 3D Printer 1	\$48
SMP Lab	Form2 3D Printer 2	\$48
SMP Lab	Form2 3D Printer 3	\$48
SMP Lab	Heidelberg μ PG	\$70
SMP Lab	Nanoscribe	\$70
SMP Lab	Parylene Coater	\$70
SMP Lab	Plasma Cleaner	\$48
SMP Lab	Shellab Vacuum Oven	\$0
Thermal	CVD 1034 Tube1-OXIDE	\$80
Thermal	CVD 1034 Tube2-METAL ANNEAL	\$48
Thermal	CVD 1034 Tube3-CLEAN ANNEAL	\$48
Thermal	CVD2 Anneal Furnace	\$48
Thermal	Solaris III-V RTP	\$80

Thermal	Solaris Silicon RTP	\$80
Wet Processing	Acid Hood - Station 1	\$0
Wet Processing	Acid Hood - Station 2	\$0
Wet Processing	Acid Hood - Station 3	\$0
Wet Processing	Base Hood	\$0
Wet Processing	Critical Point Dryer	\$48
Wet Processing	RCA Hood	\$48
Wet Processing	SemiTool Spin Rinse Dryer	\$0
Wet Processing	UV Ozone Cleaner	\$48
Wet Processing	VWR Vacuum Oven	\$0