

## All Active Equipment

Name	Description	Pricing Tier	Location	Qualification Type
aln2	Tegal Endeavor AT sputter deposition sy	Eqp Tier 2	584	Exam
alphastep	KLA-Tencor D-600 Profilometer	Eqp Tier 1	586	Exam
amatepi	epitaxial silicon / germanium deposition	Eqp Tier 3	586	Exam
aml-bonder	AML AWB-08 Aligner Wafer Bonder	Eqp Tier 2	380	Basic
aptchrome	APT chrome mask developer	Eqp Tier 0	382a	Specialty
aptemul	APT emulsion mask developer	Eqp Tier 0	382a	Specialty
asap-liftoff	Liftoff System - Model ASAP LOM6100	Eqp Tier 2	582A	Basic
asml300	ASML PAS-5500/300B DUV Stepper	Eqp Tier 3	384	Exam
ast-ebeam	AST Electron Beam Dielectric Deposition	Eqp Tier 2	582	Basic
ast-sputter	3" Multi-Target Reactive Co-Sputter System	Eqp Tier 2	582	Basic
axcelis	Axcelis photoresist UV bake system	Eqp Tier 1	384	Member Qualify
bagsealer	Plastic Bag Thermal Sealer	Eqp Tier 0	593	Member Qualify
beamer	For BEAMER, TRACER, or PROSEM problem reports	Eqp Tier 0	580	Member Qualify
bottlewash	For Problem Reports - No Enable Required	Eqp Tier 0	582A	Member Qualify
bottlewash2	For Problem Reports - No Enable Require	Eqp Tier 0	397	Member Qualify
cambridge	Cambridge Fiji F200 Plasma ALD	Eqp Tier 2	586	Exam
cascade1	Cascade Probe Station - 1	Eqp Tier 0	cory-355	Member Qualify
cascade2	Cascade Probe Station - 2	Eqp Tier 0	cory-355	Member Qualify
cde-resmap	CDE 4-ptprb Automated Mapper, 2" -12"	Eqp Tier 0	380	Member Qualify
centura-3-5	Centura Compound Etch - Chamber A	Eqp Tier 2	586	Basic
centura-met	Centura DPS Metal Etcher - Ch C	Eqp Tier 2	586	Exam
centura-mxp	Centura oxide etch chamber - Ch B	Eqp Tier 2	586	Exam
centura-stri	Centura Stripper - Ch D	Eqp Tier 2	586	Basic
cha	CHA E-beam Evaporator	Eqp Tier 2	582	Exam
cmp	Strausbaugh Model 6EC CMP	Eqp Tier 2	cory-190	Exam
cpd	Tousimis 915B 6" Critical Point Dryer	Eqp Tier 1	382	Basic
cpd2	Tousimis 815A 1.5" Critical Point Dryer	Eqp Tier 1	382	Basic
cpdsink	CPD Sink - Bay 382	Eqp Tier 0	382	Member Qualify
crestec	Crestec CABL-9000 50kV E-Beam System	Eqp Tier 3	384	Exam

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crestec130kv	Crestec 130kV E-Beam System	Eqp Tier 3	384	Exam
dcl	For Problem Reports - No Enable Require	Eqp Tier 0	cory-373	Member Qualify
dektak	Dektak 3030 Surface Profilometer	Eqp Tier 1	380	Basic
die-expander	Dynatex International DXE Die Expander	Eqp Tier 0	582A	Member Qualify
disco	Disco DAD3240 Automated Dicing Saw	Eqp Tier 2	582A	Exam
drystation1	Glass Drying Station	Eqp Tier 0	382	Member Qualify
drystation2	Glass Drying Station	Eqp Tier 0	586	Member Qualify
ebeam1	Electron Beam 10 kW 4-pocket Evaporator	Eqp Tier 2	582	Basic
edx	Energy-dispersive X-ray Spectroscopy	Eqp Tier 0	382	Member Qualify
ellips	Ellipsometer - LSE Gaertner Stokes	Eqp Tier 1	386	Member Qualify
ellips2	Spectroscopic Ellipsometer - Angstrom Sun Technology	Eqp Tier 1	380	Basic
facility	To Report NanoLab Building Problems	Eqp Tier 0	nanolab	Member Qualify
fei-sem	FEI Nova NanoSEM650	Eqp Tier 3	131	Specialty
finetech	Finetech Die Attachment Bonder	Eqp Tier 0	380	Basic
flexus	Tencor FleXus FLX2320 Stress Gauge	Eqp Tier 1	380	Basic
ftir	General use FFT Infrared Spectrometer	Eqp Tier 1	380	Basic
gcapg	GCA 3600F Pattern Generator	Eqp Tier 2	382a	Specialty
gcaws6	GCA 8500 5X I-line Stepper	Eqp Tier 2	384	Exam
gnpcmp	G&P Poli 500 CMP	Eqp Tier 2	cory-190	Basic
headway1	Headway Spinner In msink3	Eqp Tier 0	382	Exam
headway2	Headway Spinner - Standalone	Eqp Tier 0	382	Exam
hotplates	Hotplates	Eqp Tier 0	382	Member Qualify
ionmill6	Pi Scientific 6" Ion Beam Mill	Eqp Tier 2	584	Basic
ircam	Infrared Source & Video Camera	Eqp Tier 0	380	Member Qualify
irscope	Infrared Microscope	Eqp Tier 0	380	Member Qualify
keyence	Keyence Recharge digital microscope	Eqp Tier 0	584	Member Qualify
keyence7000	Keyence VHX-7000 fully-automated 20-6000x digital microscope	Eqp Tier 1	380	Exam
kruss	Kruss Contact Angle Analyzer	Eqp Tier 0	582A	Member Qualify
ksaligner	Karl Suss Mask Aligner MA6	Eqp Tier 2	382	Exam
lacvd	Laser Assisted Chemical Vapor Deposition	Eqp Tier 2	597	Specialty

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lakeshore	Lakeshore probe station	Eqp Tier 0	cory-355	Specialty
lam6	Lam 4526 Oxide Etch	Eqp Tier 2	584	Exam
lam7	Lam Research 9626 Aluminum Etch	Eqp Tier 2	584	Exam
lam8	9426 Lam Research TCP MOS Poly Etch	Eqp Tier 2	584	Exam
linewidth	Linewidth CD Feature & Long Distance (macroscope) Measuring System	Eqp Tier 0	380	Member Qualify
linewidth2	Zeiss Feature Measuring Microscope	Eqp Tier 0	584	Member Qualify
matrix	Matrix 106 Resist Remover	Eqp Tier 1	384	Exam
matrix-etch	Matrix 303 plasma etcher	Eqp Tier 2	386	Basic
melt-au-1	Gold melt #1	Eqp Tier 0	nanolab	Specialty
melt-au-2	Gold melt #2	Eqp Tier 0	nanolab	Specialty
melt-pd-1	Palladium melt #1	Eqp Tier 0	nanolab	Specialty
melt-pt-1	Platinum melt #1	Eqp Tier 0	nanolab	Specialty
melt-pt-2	Platinum melt #2	Eqp Tier 0	nanolab	Specialty
mesc	Mobile ElectroStatic Chuck	Eqp Tier 0	384	Basic
metricon	Prism-coupled refractive index analyzer	Eqp Tier 0	380	Basic
microscope1	Nikon Optiphot 200	Eqp Tier 0	384	Member Qualify
microscope2	Nikon Optiphot 150	Eqp Tier 0	384	Member Qualify
microscope4	Nanometrics - PG	Eqp Tier 0	382a	Member Qualify
microscope5	MM Stereo-scope	Eqp Tier 0	380	Member Qualify
microscope6	Leitz Secolux - FEI	Eqp Tier 0	131	Member Qualify
microscope7	WILD M450 Stereo-scope	Eqp Tier 0	131	Member Qualify
microscope8	Zeiss Axioplan2 - linewidth2	Eqp Tier 0	584	Member Qualify
microscope9	Nikon OptiPhot-200 - linewidth	Eqp Tier 0	382	Member Qualify
mla150	Heidelberg Instruments MLA150 maskless aligner	Eqp Tier 2	384	Exam
mrc943	MRC Sputtering System with Sputter-etch	Eqp Tier 2	582	Basic
mrc944	MRC Sputtering System with Sputter-Etch	Eqp Tier 2	584	Exam
msink1	Tank Photoresist Strip and Develop	Eqp Tier 0	382	Exam
msink12	Compound semiconductor processing	Eqp Tier 0	586	Basic
msink14	Epi Si/Ge deposition pre-clean	Eqp Tier 0	586	Exam
msink16	General purpose fume hood/wet process	Eqp Tier 0	582A	Exam
msink18	General purpose fume hood/wet process	Eqp Tier 0	582A	Exam
msink19	Sink in 582A for temporary e-plating setup	Eqp Tier 0	582A	Member Qualify
msink2	Heated Strip and Manual Develop Station	Eqp Tier 0	382	Exam

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msink20	General purpose fume hood/wet process st	Eqp Tier 0	582A	Member Qualify
msink3	SS, manual lithography, headway spinner	Eqp Tier 0	382	Exam
msink4-koh	KOH Etching Bath of msink4	Eqp Tier 0	382	Exam
msink4-tmah	TMAH Etch Bath - msink4	Eqp Tier 0	382	Exam
msink5-bath	General use heated bath, primarily for aluminum etching	Eqp Tier 0	382	Exam
msink5-deck	General purpose wet process fume hood with cascade rinser	Eqp Tier 0	382	Exam
msink6	furnace pre-clean	Eqp Tier 0	386	Exam
msink7	Hot Phosphoric, HF, Silicon Etch (Bay 38	Eqp Tier 0	386	Exam
msink7-h3po4	Phosphoric acid heated bath	Eqp Tier 0	386	Basic
msink8	post PR cleaning	Eqp Tier 0	386	Exam
msp300	Angstrom Sun MSP300 Microspectrophotometer	Eqp Tier 1	384	Basic
n2guns	Nitrogen blow off guns throughout the lab	Eqp Tier 0	nanolab	Member Qualify
nanoduv	Nanospec 210XP DUV Microspectrophotometer	Eqp Tier 0	386	Member Qualify
nanospec	Nanospec AFT film thickness measuring sy	Eqp Tier 0	586	Member Qualify
nanospec-cmp	NanoSpec AFT film thickness monitor	Eqp Tier 0	cory-190	Member Qualify
nh3oven	Image reversal oven	Eqp Tier 0	384	Basic
nrc	NRC evaporator	Eqp Tier 0	582	Basic
olympus	Olympus LEXT 3D Laser Measuring Microsco	Eqp Tier 1	380	Exam
oven	NanoLab Ovens	Eqp Tier 0	382	Member Qualify
oxford-icp	Oxford Instruments PlasmaPro100 ICP65	Eqp Tier 2	584	Basic
oxford-rie	Oxford Plasmalab System 100	Eqp Tier 2	584	Basic
oxford2	Oxford Plasmalab 80 PECVD	Eqp Tier 2	584	Exam
oxfordpecvd3	Oxford Cluster Chamber3 PECVD	Eqp Tier 2	586	Exam
oxfordpecvd4	Oxford Cluster Chamber4 PECVD	Eqp Tier 2	586	Exam
oxfordpvd1	Oxford Cluster Chamber1 Sputter Dep	Eqp Tier 2	586	Basic
p7	P7 DCL probe station	Eqp Tier 0	cory-355	Specialty
park-afm	Atomic force microscope	Eqp Tier 2	380	Specialty
parylene	Specialty Coating Systems PDS2010	Eqp Tier 1	582A	Basic
picosun	Picosun Sunale R150 ALD	Eqp Tier 2	586	Exam
picotrack1	Picotrack Coater model PCT-200	Eqp Tier 2	384	Exam
picotrack2	PicoTrack Develop model PCT-200	Eqp Tier 2	384	Exam

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pqecr	Plasma Quest ECR PECVD	Eqp Tier 2	583	Basic
primaxx	Primaxx SPTS uEtch HF Vapor Etcher	Eqp Tier 2	382	Exam
primeoven	Yield Engineering Systems YES - 5	Eqp Tier 0	384	Member Qualify
probe-eb8	Everbeing Probe Station with Hot Chuck	Eqp Tier 0	380	Basic
ptherm	Plasmatherm reactive ion etcher	Eqp Tier 2	582	Basic
raman-scope	Laser-based Raman Spectroscopic Microscope	Eqp Tier 2	380	Basic
reichert	Reichert Polylite inspection microscope	Eqp Tier 0	380	Member Qualify
rtp1	AccuThermo AW610 RTP for III/V or PZT	Eqp Tier 1	582	Exam
rtp2	AccuThermo AW610 RTP III/V -no metal	Eqp Tier 1	582	Exam
rtp3	AccuThermo AW610 RTP Si Non-MOS	Eqp Tier 1	386	Exam
rtp4	AccuThermo AW610 RTP Si MOS Clean	Eqp Tier 1	386	Exam
rtp8	AccuThermo AW810 RTP Si MOS Clean	Eqp Tier 0	386	Exam
sca	Surface Charge Analyser SCA-2500	Eqp Tier 0	386	Basic
sem-coater	Denton II Desktop SEM AU/Pd Coater	Eqp Tier 0	380	Member Qualify
semi	Semigroup plasma etcher	Eqp Tier 2	584	Basic
semicore	Semicore Tri-axis batch dual sputtering system - Model #SC450	Eqp Tier 2	582	Exam
shippingstation	Table and accessories for shipment prep	Eqp Tier 0	593	Member Qualify
sinkcmp	CMP Wet-sink	Eqp Tier 0	cory-190	Member Qualify
sp3	sp3 CVD Diamond Coating System	Eqp Tier 1	595	Basic
sp3seeding	sp3 Diamond Wafer Seeding	Eqp Tier 0	582A	Basic
srmsink1	Spin Rinser Dryer at mskin1 - Verreq	Eqp Tier 0	382	Member Qualify
srmsink14	Semitool Spin Rinse Dryer at msink14	Eqp Tier 0	586	Member Qualify
srmsink2	Spin Rinse Dryer at msink2	Eqp Tier 0	382	Member Qualify
srmsink6	Semitool Spin Rinse Dryer 880-S	Eqp Tier 0	386	Member Qualify
srmsink8	Verreq Spin Rinser Dryer	Eqp Tier 0	386	Member Qualify
sts-oxide	APS deep oxide etch	Eqp Tier 2	584	Exam
sts2	ICP pulsed gas deep silicon etch	Eqp Tier 2	584	Exam
svgcoat3	SVG 8600 6" LOR & BARC Coat & Bake Track	Eqp Tier 2	384	Exam
svgcoat6	SVG 6" Coat Track	Eqp Tier 2	384	Exam
svgdev6	SVG8800 6" Develop Track	Eqp Tier 2	384	Exam

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target-au-1	Gold target	Eqp Tier 0	nanolab	Specialty
target-pt-1	Platinum target	Eqp Tier 0	nanolab	Specialty
technics-c	Technics VLSI plasma etch	Eqp Tier 1	584	Basic
tensiometer	Sigma 701 Tensionmeter	Eqp Tier 0	582A	Basic
tystar1	Tystar 6" Wet/Dry Oxidation	Eqp Tier 2	386	Exam
tystar10	Tystar LPCVD Doped Poly	Eqp Tier 2	386	Exam
tystar11	Tystar LPCVD Doped LTO	Eqp Tier 2	386	Exam
tystar12	Tystar Doped LTO	Eqp Tier 2	386	Exam
tystar14	Tystar 8" LPCVD MOS Silicon Nitride, LSN, HTO	Eqp Tier 2	386	Exam
tystar15	Tystar 8" LPCVD Doped Polysilicon	Eqp Tier 2	386	Exam
tystar16	Tystar 8" LPCVD LTO	Eqp Tier 2	386	Exam
tystar17	Tystar LPCVD Low Stress Nitride	Eqp Tier 2	386	Exam
tystar18	Tystar 6" MOS Sinter	Eqp Tier 2	386	Exam
tystar19	Tystar LPCVD Si/Ge, MOS	Eqp Tier 2	386	Exam
tystar2	Tystar 6" Wet/Dry Oxidation	Eqp Tier 2	386	Exam
tystar20	Tystar Si/Ge LPCVD for MEMS	Eqp Tier 2	386	Exam
tystar3	Tystar 6" Wet/Dry Oxidation	Eqp Tier 2	386	Exam
tystar4	Tystar 6" Wet/Dry Oxidation	Eqp Tier 2	386	Exam
tystar5	Tystar 200mm Wet/Dry Oxidation	Eqp Tier 2	386	Exam
tystar6	Tystar 200mm N-Type Doping	Eqp Tier 2	386	Exam
tystar7	Tystar 200mm P-Type Doping	Eqp Tier 2	386	Exam
tystar9	Tystar LPCVD Nitride	Eqp Tier 2	386	Exam
ultek2	Ultek2 Angled Cooled Chuck E-Beam Evapor	Eqp Tier 2	582	Basic
uvflood	Dymax 2000 - Timed UV Flood Exposures	Eqp Tier 0	382	Member Qualify
uvscope	Leica INM100 UV Microscope	Eqp Tier 0	384	Member Qualify
uvvis	BioMate 3 Spectrophotometer	Eqp Tier 0	380	Member Qualify
vacoven	YES (Yield Eng. Systems) 450PBS-29	Eqp Tier 0	582A	Basic
vacoven2	Small vacuum oven for polymer curing	Eqp Tier 0	380	Member Qualify
vacoven3	vacoven for low temperature anneal	Eqp Tier 0	380	Member Qualify
vacrelease	Gel-Pak vacuum release tray	Eqp Tier 0	380	Member Qualify
vacwands	Vacuum wands throughout the lab for wafer handling	Eqp Tier 0	nanolab	Specialty
vcselox	AET III-V Oxidation Furnace	Eqp Tier 2	382	Basic

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vwr2	VWR Bake Oven	Eqp Tier 0	382	Member Qualify
wafergauge	E+H contactless wafer geometry gauge	Eqp Tier 0	384	Member Qualify
westbond	West Bond 7400B Al wire bonder	Eqp Tier 1	380	Exam
westbond2	West Bond 7400B Au wire bonder	Eqp Tier 1	380	Exam
westbond3	Al wire bonder	Eqp Tier 0	380	Exam
wyko	Wyko NT3300 Optical Profilometer	Eqp Tier 1	380	Basic
xdif	Siemens D-5000 X-Ray Diffractometer	Eqp Tier 2	380	Specialty
xetch	XeF2 Bulk Silicon Etcher	Eqp Tier 2	582	Exam
yes-g500	YES-G500 Plasma Cleaning System	Eqp Tier 1	380	Basic
zeiss-sem	Zeiss Scanning Electron Microscope	Eqp Tier 3	382	Exam