

<i>Tool/Instrument</i>	<i>Billable Unit</i>		<i>Current Internal Subsidized Rate</i>	<i>Proposed User Charge</i>	<i>% Increase</i>
(PCB) LPKF Milling System	Per use	\$	74.00	\$ 70.00	-5%
2D CVD	per 2 hours		N/A	\$ 34.00	
Admet Tensile Strength	Per use	\$	10.00	\$ 11.00	10%
Airco E-Beam Evaporator	Per 4 Hour Use	\$	100.00	\$ 100.00	0%
Alpha-Step IQ	Per Half-Hour Use	\$	4.00	\$ 6.00	50%
Ammonia (NH3) Anneal (Nitrogen Anneal)	Per 1 Hour Use	\$	18.00	\$ 19.00	6%
AOE Etcher	Per 1 Hour Use	\$	48.00	\$ 50.00	4%
ASE Etcher	Per 1 Hour Use	\$	48.00	\$ 48.00	0%
Axic CVD	Per 2 Hour Use	\$	42.00	\$ 42.00	0%
Blue M Oven	Per 1 Hour Use	\$	7.00	\$ 10.00	43%
Branson	Per 1 Hour Use	\$	10.00	\$ 11.00	10%
Bruker Optical Profileometer	Per Half-Hour Use	\$	15.00	\$ 13.00	-13%
Cascade PMC 200 Probe Station	Per 1 hour	\$	10.00	\$ 14.00	40%
Cha E-Beam Evaporator	Per 4 Hour Use	\$	100.00	\$ 100.00	0%
Cleanroom Daily Access Fee	Per Day	\$	40.00	\$ 43.00	8%
CMP	Per 1 Hour Use	\$	18.00	\$ 30.00	67%
Critical Point Driver (CPD)	Per 1 Hour Use	\$	11.00	\$ 30.00	173%
Dimension 3100 AFM	Per 1 Hour Use	\$	30.00	\$ 30.00	0%
Disco Dad Dicing Saw #2	Per 1 Hour Use	\$	23.00	\$ 25.00	9%
DiscoDad Dicing Saw	Per 1 Hour Use	\$	23.00	\$ 25.00	9%
Easy Tube 3000	Per 2 Hour Use	\$	40.00	\$ 40.00	0%
E-Beam Evaporator for Organics	Per 4 hours	\$	120.00	\$ 125.00	4%
Electrodeposition_1	Per use	\$	10.00	\$ 9.00	-10%
Electrodeposition_PAR	Per use	\$	10.00	\$ 7.00	-30%
WAFAB Electroplating System	Per use	\$	50.00	\$ 50.00	0%
Ellipsometer	Per Half-Hour Use	\$	6.00	\$ 7.00	17%
Engineering Staff Time	Per Hour	\$	53.00	\$ 50.00	-6%
Fiji200 ALD	Per Use	\$	55.00	\$ 55.00	0%
Filmetrics F10-RT	Per Half-Hour Use	\$	3.00	\$ 4.00	33%
Filmetrics F40	Per Half-Hour Use	\$	3.00	\$ 4.00	33%
Hall Effect System	Per use	\$	5.00	\$ 10.00	100%
Jandel 4-point probe system	Per Half-Hour Use	\$	2.00	\$ 3.00	50%
JEOL	Per Hour		N/A	\$ 78.00	
JEOL JCM-5000 Table Top SEM	Per Half-Hour Use	\$	15.00	\$ 13.00	-13%
JFP Wire Bonder	Per 1 Hour Use	\$	16.00	\$ 20.00	25%
Jipelec RTA	Per 1 Hour Use	\$	15.00	\$ 18.00	20%
KOH Bath System	Per use	\$	32.00	\$ 7.00	-78%
Kurt J Lesker E-Beam	Per 2 hour use	\$	100.00	\$ 100.00	0%
Large Wire Bonding Package	Per Package	\$	25.00	\$ 25.00	0%
Leica Confocal Microscope	Per use	\$	35.00	\$ 30.00	-14%
Leybold E-Beam Evaporator	Per 4 Hour Use	\$	100.00	\$ 100.00	0%
LPKF Plater	Per Use		N/A	\$ 50.00	
LPKF Press	Per use		N/A	\$ 30.00	
Mirwec	Per 1 hour	\$	35.00	\$ 35.00	0%
MJB-3 Wafer Aligner	Per Half-Hour Use	\$	12.00	\$ 13.00	8%
MJB-4 Wafer Aligner	Per Half-Hour Use		N/A	\$ 13.00	
MMIIIProbe 3 (Cleanroom Probe 1)	Per 2 Hour Use	\$	33.00	\$ 35.00	6%
MMIIProbe 2	Per 2 Hour Use	\$	33.00	\$ 34.00	3%
MMIIProbe 1	Per 2 Hour Use	\$	33.00	\$ 34.00	3%
MMR Probe Station #2	Per 2 Hour Use	\$	51.00	\$ 52.00	2%
MPMS	Per 4 hours	\$	30.00	\$ 30.00	0%
Nanonex NX-2000 Nanoimprinter	Per 1 Hour Use	\$	21.00	\$ 20.00	-5%
Nicolet FTIR	Per use	\$	15.00	\$ 16.00	7%
Nitric Oxide Anneal	Per 1 Hour Use	\$	9.00	\$ 20.00	122%
Olympus BX-60 Microscope	Per Half-Hour Use	\$	3.00	\$ 3.00	0%
Organic Sputtering System	Per 4 hours	\$	75.00	\$ 120.00	60%
P-7 Profiler	Per use	\$	40.00	\$ 23.00	-43%
Panasonic	Per 1 Hour Use	\$	90.00	\$ 90.00	0%

Parylene CVD	Per 4 Hour Use	\$	48.00	\$	50.00	4%
Pick and Place Machine	Per use	\$	34.00	\$	24.00	-29%
PPMS	Per 4 hours	\$	50.00	\$	50.00	0%
PPSI Inkjet	Per use	\$	150.00	\$	150.00	0%
Scientific Staff Time - Raghunathan	Per Hour	\$	75.00	\$	75.00	0%
Scientific Staff Time - Dilley	Per Hour	\$	75.00	\$	75.00	0%
ProTemp Tube_01	Per 1 Hour Use	\$	28.00	\$	20.00	-29%
ProTemp Tube_02	Per 1 Hour Use	\$	28.00	\$	38.00	36%
ProTemp Tube_03	Per 1 Hour Use	\$	28.00	\$	40.00	43%
ProTemp Tube_04	Per 1 Hour Use	\$	28.00	\$	28.00	0%
ProTemp Tube_05	Per 1 Hour Use	\$	28.00	\$	21.00	-25%
ProTemp Tube_06	Per 1 Hour Use	\$	28.00	\$	48.00	71%
ProTemp Tube_07	Per 1 Hour Use	\$	28.00	\$	28.00	0%
ProTemp Tube_08	Per 1 Hour Use	\$	28.00	\$	18.00	-36%
ProTemp Tube_09	Per 1 Hour Use	\$	28.00	\$	55.00	96%
PVD Electron Beam Evaporator #1	Per 2 Hour Use	\$	100.00	\$	100.00	0%
PVD Electron Beam Evaporator #2	Per 4 Hour Use	\$	100.00	\$	100.00	0%
PVD Sputtering System - Magnets	Per 2 Hour Use	\$	60.00	\$	80.00	33%
PVD Sputtering System - Metals/Dielectrics	Per 2 Hour Use	\$	60.00	\$	105.00	75%
Roll-to-Roll System - Cleanroom	Per 1 hour	\$	65.00	\$	85.00	31%
Small Wire Bonding Package	Per Package	\$	10.00	\$	10.00	0%
Spin Rinse Dryer	Per use	\$	5.00	\$	6.00	20%
Spinners (5)	Per Half-Hour Use	\$	3.00	\$	3.00	0%
Stress Machine	Per Half-Hour Use	\$	36.00	\$	40.00	11%
Suss MA-6 Mask Aligner	Per Half-Hour Use	\$	12.00	\$	13.00	8%
Suss SB6e Substrate Bonder	Per 1 Hour Use	\$	50.00	\$	60.00	20%
Table-Top Inkjet System	Per 1 hour	\$	50.00	\$	24.00	-52%
Thierry_Tetra_150	Per use	\$	25.00	\$	45.00	80%
Training Time	Per Hour	\$	47.00	\$	55.00	17%
ULS Engraver	Per 1 hour	\$	8.00	\$	8.00	0%
Veeco Dimension AFM (nanoman)	Per 1 Hour Use	\$	13.00	\$	10.00	-23%
Veeco Thermal Evaporator	Per 4 Hour Use	\$	100.00	\$	100.00	0%
West Bond	Per 1 Hour Use	\$	35.00	\$	30.00	-14%
Westbond 7476E Wedge Bonder	Per use	\$	16.00	\$	21.00	31%
Xef Etcher	Per 1 Hour Use	\$	18.00	\$	19.00	6%
Iko Electroplating System	Per Hour	N/A		\$	62.00	
RIE	Per Hour	N/A		\$	25.00	
RCA Hood	Per Hour	N/A		\$	20.00	
Heidelberg	Per Hour	N/A		\$	68.00	
Automatic Developer	Per Hour	N/A		\$	24.00	
Vacuum Oven	Per Hour	N/A		\$	10.00	
PECVD	Per Hour	N/A		\$	60.00	
AJA Ion Mill	Per 1 Hour Use	N/A		\$	48.00	
Screen Printer	Per Use	N/A		\$	50.00	
Scientific Staff Time - Glassmaker	Per Hour	N/A		\$	75.00	
Scientific Training Time	Per Hour	N/A		\$	75.00	