

Equipment name	Model	Inventory ID	Academic	Small business	Large business
			Yen / hour	Yen / hour	Yen / hour
Milling machine	VARIAXIS j-600/5X	ENG-M001	19,400	25,900	38,800
Milling Machine	Hurco VM5i	ENG-M002	11,700	15,600	23,400
Milling Machine	Shizuoka VHR-A Milling Machine	ENG-M003	11,200	14,900	22,400
Lathe	Hurco TMX10MYi	ENG-M004	14,300	19,000	28,500
Wire EDM	Sodick ALG 400	ENG-M005	13,900	18,500	27,700
Die sinker EDM	Chmer Die Sinker EDM CM353C	ENG-M006	10,700	14,300	21,400
Lathe	Takisawa TSL 550 Lathe	ENG-M007	10,400	13,800	20,700
Lathe	Riken RBL-50 Collet lathe	ENG-M008	9,900	13,200	19,700
Milling Machine	Mechanix Milling Machine	ENG-M009	9,700	13,000	19,400
Bandsaw	Cut-600 Bandsaw	ENG-M010	9,700	12,900	19,300
Drilling machine	ESD-460DX Drill Press	ENG-M011	9,600	12,800	19,100
Laser	ULS 6.75 laser Cutter Engraver	ENG-M012	10,400	13,800	20,700
Bandsaw	LUXO VS-22 Diamond bandsaw	ENG-M013	9,600	12,800	19,200
Lathe	Wasino LEO-80 Lathe	ENG-M014	11,100	14,800	22,200
Bandsaw	Amada Horizontal Bandsaw	ENG-M015	10,400	13,800	20,700
Grinder/Sander	Belt Sander	ENG-M016	9,600	12,800	19,100
Shearing machine	Morimitsu Shear	ENG-M017	10,500	14,000	20,900
Pressing machine	JAM Hydraulic press	ENG-M018	9,900	13,100	19,700
Bandsaw	Luxo LE-400 Band saw	ENG-M019	9,900	13,100	19,700
Shearing/Bending machine	Nittoh sheet metal shear/brake	ENG-M020	9,600	12,800	19,200
Bending machine	Tennsmith HBU48-16	ENG-M021	9,700	12,900	19,400
Surface grinder	Okamoto PFG450DXC surface grinder	ENG-M022	10,800	14,300	21,500
Drilling machine	ESD350-SL Drill press	ENG-M023	9,600	12,700	19,100
Drilling machine	ESD-460DX Drill press	ENG-M024	9,600	12,800	19,100
Abrasive blasting machine	Skat Blast Bead Blaster	ENG-M025	9,600	12,800	19,100
Welding machine	Daihen DA300P TIG Welder	ENG-M026	9,700	12,900	19,400
3D printer	Ultimaker S5 3D printer	ENG-M027	9,800	13,100	19,600
Coordinate measuring machine	Zeiss O-Inspect 322 CMM	ENG-M028	12,500	16,700	25,000
Optical measuring machine	Mitutoyo PH-3515	ENG-M029	10,000	13,300	20,000
Vacuum oven	Eyela Vacuum Drying oven	ENG-M030	10,000	13,300	19,900
3D printer	Form3+ 3D printer	ENG-M031	9,700	12,900	19,300
Welding machine	Weldtool MIG-200s	ENG-M032	9,600	12,700	19,100
Welding torch	KS Panda Oxy-actylene torch	ENG-M033	9,600	12,700	19,100
Drilling machine	Micro drill press Leutor BDM-630	ENG-M034	9,600	12,700	19,100
3D Printer	Ultimaker 3D Printer (Lab1)	ENG-M035	9,700	13,000	19,400
3D Printer	Ultimaker 3D Printer (Lab2)	ENG-M036	9,800	13,000	19,500
3D printer	Ultimaker 3D Printer (Lab4)	ENG-M037	9,800	13,000	19,500
3D Printer	Ultimaker 3D Printer (ESB)	ENG-M038	9,800	13,100	19,600
3D Printer	Form2	ENG-M039	9,700	12,900	19,300
3D printer	Form2	ENG-M040	9,700	12,900	19,300
Pedestal grinder	Hitachi L-GR26	ENG-M041	9,600	12,800	19,200
Pedestal Grinder	Hitachi D-GR31	ENG-M042	9,700	12,900	19,300
PCB making machine	LPKF Protomat	ENG-E001	16,700	22,200	33,300
Cryogenic Vector Magnet System	Cryogenic Vector Magnet System	ENG-E002	16,300	21,700	32,600
Wire bonder, ball	Ball Bonder TPT HB16	ENG-E003	10,700	14,300	21,400
Wire bonder, wedge	Kulicke and Soffa 4523D	ENG-E004	10,400	13,800	20,700
UV-Vis Spectrophotometer	Perkin Elmer lambda 365	ENG-N001	10,800	14,400	21,600
XRD	Rigaku	ENG-N002	19,700	26,300	39,400
Fourier-transform infrared spectroscopy (FTIR)	Bruker Vertex 80v	ENG-N003	20,000	26,600	39,900
Multipurpose X-ray Diffractometer (XRD)	Bruker D8 Discover	ENG-N004	22,300	29,700	44,500
E-beam evaporator	Plassys Bestek MEB 550S2-HV	ENG-N005	23,200	30,900	46,400
3D laser lithography	Nanoscribe Photonic Professional GT	ENG-N006	26,100	34,800	52,200
Scanning Electron Microscope (SEM) + Energy Dispersive X-ray Spectroscopy (EDX)	FEI Quanta 250	ENG-N007	24,500	32,600	48,900
Atomic Force Microscope (AFM)	Bruker Dimension ICON3	ENG-N008	18,500	24,600	36,900
Laser confocal microscope	Keyence VK-X210	ENG-N009	13,000	17,400	26,000
Mechanical Profiler	Bruker Dektak XT	ENG-N010	11,300	15,100	22,600
Spectrophotometer	CRAIG 20/30 PV	ENG-N011	22,900	30,500	45,800
Raman Spectrometer	Tokyo Instruments Nanofinder 30	ENG-N013	17,200	22,900	34,400
Physical Property Measurements system (PPMS)	Quantum Design PPMS Dynacool	ENG-N014	25,100	33,400	50,100
Magnetic Properties Measurement System (MPMS)	Quantum Design MPMS 3 Evercool	ENG-N015	27,800	37,000	55,500
Single Crystal X-ray Diffractometer	Bruker D8 Venture	ENG-N016	24,500	32,700	49,000
Thin Film X-ray Diffractometer	Bruker D8 Discover	ENG-N017	21,700	29,000	43,400
X-ray Fluorescence Spectrometer	Horiba XGT-7000	ENG-N018	13,300	17,800	26,600
X-ray Photoelectron Spectrometer (XPS)	Kratos Axis Ultra HAS	ENG-N019	77,300	103,000	154,500
X-ray Photoelectron Spectroscopy (XPS)	ULVAC-PHI Quantes	ENG-N020	53,200	70,900	106,400
Focused Ion Beam - Scanning Electron Microscope (FIB-SEM)	FEI Helios G3 UC	ENG-N021	66,800	89,000	133,500
Selective Laser Etcher (SLE)	LightFab 3D Printer	ENG-N022	22,800	30,400	45,600

Inductively Coupled Plasma (ICP-CVD)	Oxford Instruments Plasmalab 100	ENG-N023	22,500	30,000	45,000
Atomic Layer Deposition (ALD)	Cambridge Nanotech. Savannah S200	ENG-N024	14,000	18,700	28,000
E-beam evaporator 2	Kawasaki Science KE604TT1-TKF1	ENG-N025	12,700	16,900	25,300
Sputtering deposition	ULVAC CAM-S	ENG-N026	13,200	17,600	26,400
Parylene Coater	SCS Coatings Labcoater 2	ENG-N027	11,100	14,800	22,200
Plasma Treatment system	Nordson-March AP300	ENG-N028	11,700	15,600	23,400
E-beam Lithography	Elionix ELS-7500EX	ENG-N029	31,800	42,400	63,600
Maskless lithography	Nanosystem Solution DL-1000	ENG-N030	22,500	30,000	45,000
Mask Aligner / Bond Aligner	Suss Microtec MA/BA6	ENG-N031	20,400	27,100	40,700
Dicer	Disco DAD322	ENG-N032	11,100	14,700	22,100
Time-resolved Photoluminescence	Hamamatsu C11200 (Streakscope C10627-03)	ENG-N033	11,300	15,100	22,600
Glovebox	Unico UN-100L	ENG-N034	11,100	14,800	22,200
Oxygen Plasma Cleaner	Plasma Prep III	ENG-N035	10,000	13,300	19,900
Polisher/ Grinder	South Bay Technology Model 900	ENG-N036	9,600	12,800	19,200
Scriber	Musashino-Denshi SC-100	ENG-N037	9,700	13,000	19,400
Nanoindenter	Bruker TS77 select	ENG-N039	14,300	19,100	28,600
Raman Spectrometer	Witec/Oxford	ENG-N040	25,700	34,300	51,400
UV Ozone Cleaner	Jetlight 42-100	ENG-N038	9,700	13,000	19,400