COLUMBIA NANO INITIATIVE (CNI)

CNI Shared Facility Price List – Industrial Users

Rates effective: June 1st, 2018. All prices are in USD. Please check our website for updates.

- Industrial users will be capped at $4,500 per month per user in the clean room and Nanobeam.
- Inventory items or staff time do not count for capping.

Machine	Hourly rate [$]	Max time [hours]	Min time charged [hours]	Staff rate [$]
RCA station	51	3	0.5	100
Litho hood 1 (including spinner)	51	3	0.5	100
Litho hood 2 (including spinner)	51	3	0.5	100
Litho hood 3 (lift off) (including spinner)	51	3	0.5	100
General Acids hood	51	3	0.5	100
General Base hood	51	3	0.5	100
Expertech furnace	180	10	1	100
Chemical Mechanical Polishing	165	6	1	100
Angstrom EvoVac System	105	4	0.5	100
Angstrom High Vacuum Evaporator	120	4	0.5	100
Cambridge NanoTech ALD	99	4	0.5	100
KLA Profilometer	51	2	0.5	100
Diener Plasma Etch	99	4	0.5	100
Edwards Thermal Evaporator	51	4	0.5	100
AJA Metal sputter	66	4	0.5	100
AJA Direlectric sputter	75	4	0.5	100
Heidelberg DWL66+ Laser Writer	99	10	0.5	100
Heidelberg (3 micron) Laser Writer	84	8	0.5	100
Spinner 1 (dirty station)	45	3	0.5	100
OXFORD ICP	120	4	0.5	100
Oxford PECVD	150	4	0.5	100
Cl RIE Oxford	135	4	0.5	100
Fl DRIE Oxford	135	4	0.5	100
Critical Point Dryer	51	3	0.5	100
MA6 Mask Aligner	84	4	0.5	100
DUV MA6 Mask Aligner	99	4	0.5	100
RIE Anatec Plasma Asher	99	4	0.5	100
Wire Bonder (Aluminum)	66	4	0.5	100
Wire Bonder (Gold)	84	4	0.5	100
Wyko NT9100 Optical Profiler	66	3	0.5	100
Nanobeam	165	8	0.25	100
Parylene Coater	51	3	0.5	100
Dicing Saw	66	6	0.5	100

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Nova Nano SEM	75	8	0.5	100
Beamer	75	8	0.5	100
Cryogenic R-700X Squid Magnetometer	93	12	0.5	100
TA instruments Q500 TGA	54	12	0.5	100
Agilent Supernova SCXRD	99	10	0.5	100
Bruker Dimension FastScan AFM	120	8	0.5	100
Panalytical Xpert3 Powder XRD	69	12	0.5	100
Phi XPS	99	10	0.5	100
Renishaw inVia microRaman	51	10	0.5	100
Woollam Alpha-SE Ellipsometer	51	8	0.5	100
Agilent 8453 UV/Vis Spectrophotometer	51	10	0.5	100
Malvern Zetasizer Nano-ZS	66	10	0.5	100
Signatone Transfer Station	51	5	0.5	100
Horiba micro-Raman	51	9	0.5	100
Autofinders	51	9	0.5	100
NanoMagnetics ezAFM	51	5	0.5	100
Agilent GPC	66	5	0.5	100
BET	66	9	0.5	100
FEI Talos TEM	249	8	1	100
Zeiss Sigma SEM	75	6	0.5	100
Diamond Saw	66	4	0.5	100
Dimple Grinder	66	4	0.5	100
Grinder-Polisher	66	4	0.5	100
Light Zeiss Microscope	66	4	0.5	100
PIPS II	75	4	0.5	100
Plasma Cleaner	66	4	0.5	100
TEM Bio Samples	66	12	0.5	100
Microtome	51	4	0.5	100

Some Inventory items (e.g. clean room notebooks, wafers, tweezers, AFM tips, dicer blades etc.) can be purchased for use in the lab for nominal price. Please contact the shared facility staff at cnilabs@columbia.edu for more information.