

MIT.nano

FAB.NANO EQUIPMENT RATES

EFFECTIVE JULY 2026*

TOOL	EXTERNAL RATE	START.NANO RATE
DEPOSITION		
ALD-AllPurpose	\$105/run + \$60/hr	\$70/run + \$40/hr
ALD-Lesker-150LX	\$105/run + \$60/hr	\$70/run + \$40/hr
ALD-Ozone	\$105/run + \$60/hr	\$70/run + \$40/hr
ALD-Plasma-Arradiance-XTDP	\$150/run + \$60/hr	\$100/run + \$40/hr
ALD-Plasma-Arradiance-Nitrides	\$150/run + \$60/hr	\$100/run + \$40/hr
Dimatix2837_Printer	\$150/hr + materials	\$100/hr + materials
EBeam-AJA	\$105/hr (\$30/hr 12am - 8am), minimum charge \$420 + materials	\$70/hr (\$20/hr 12am - 8am), minimum charge \$280 + materials
EBeam-Temescal-FC2800	\$135/hr (\$30/hr 12am - 8am), minimum charge \$420 + materials	\$90/hr (\$20/hr 12am - 8am), minimum charge \$280 + materials
EBeam-Temescal-LL	\$420/run + \$135/hr after 2 hours (\$30/hr 12am - 8am) + materials	\$280/run + \$90/hr after 2 hours (\$20/hr 12am - 8am) + materials
PECVD-Applied-Centura	\$360/run + \$150/hr	\$240/run + \$100/hr
PECVD-Applied-Producer	\$450/hr	\$300/hr
PECVD-Oxford-TEOS	\$180/run + \$150/hr	\$120/run + \$100/hr
PECVD-Samco-PD220	\$180/run + \$150/hr	\$120/run + \$100/hr
PECVD-STS-MMPLEX	\$180/run + \$150/hr	\$120/run + \$100/hr
PVD-Angstrom-EvoVac	\$105/hr (\$30/hr 12am - 8am), minimum charge \$420 + materials	\$70/hr (\$20/hr 12am - 8am), minimum charge \$280 + materials
Sputter-4Chamber-AMAT-Endura	\$450/hr + materials	\$300/hr + materials
Sputter-AJA-ChamberLoad	\$120/hr (\$30/hr 12am - 8am), minimum charge \$420 + materials	\$80/hr (\$20/hr 12am - 8am), minimum charge \$280 + materials
Sputter-AJA-LL	\$135/hr (\$60/hr 12am - 8am), minimum charge \$510 + materials	\$90/hr (\$40/hr 12am - 8am), minimum charge \$340 + materials
Sputter-Applied-Endura-200mm	\$450/hr + materials	\$300/hr + materials
Sputter-Balzer-Au	\$150/run + \$120/hr + materials	\$100/run + \$80/hr + materials
Sputter-Prep-ElementPi	\$150/run + \$150/hr	\$100/run + \$100/hr
ThermalEvap-Parylene	\$300/run + \$60/hr	\$200/run + \$40/hr
DIFFUSION		
Anneal-Tube	\$120/run + \$30/hr	\$80/run + \$20/hr

For additional information, visit nanousers.mit.edu/fabnano

Furnace-Box-Vacuum	\$120/run + \$30/hr	\$80/run + \$20/hr
RTA-1100C-ASMicro	\$150/run + \$90/hr	\$100/run + \$60/hr
RTA-1100C-ASOne150	\$150/run + \$90/hr	\$100/run + \$60/hr
RTA-1300C-ASOne150	\$150/run + \$90/hr	\$100/run + \$60/hr
RTA-1300C-ASOne150-5Gas	\$150/run + \$90/hr	\$100/run + \$60/hr
Thermal-Applied-TPCC	\$450/hr	\$300/hr
Tube-Anneal-Atmospheric	\$120/run + \$30/hr	\$80/run + \$20/hr
Tube-Anneal-Vacuum	\$120/run + \$30/hr	\$80/run + \$20/hr
Tube-LPCVD-DopedPoly	\$300/run + \$150/hr	\$200/run + \$100/hr
Tube-LPCVD-Nitride	\$300/run + \$150/hr	\$200/run + \$100/hr
Tube-LPCVD-Poly	\$300/run + \$150/hr	\$200/run + \$100/hr
Tube-OxAnneal-Clean	\$300/run + \$90/hr	\$200/run + \$60/hr
Tube-OxAnneal-Flex	\$300/run + \$90/hr	\$200/run + \$60/hr
Tube-OxAnneal-Regular	\$300/run + \$90/hr	\$200/run + \$60/hr
WaferBonder-EV501	\$180/run + \$90/hr	\$120/run + \$60/hr
WaferBonderAlign-EV620	\$180/run + \$150/hr	\$120/run + \$100/hr
DRY ETCH		
DRIE-SPTS-Pegasus	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-2Chamber-AMAT-P5000	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-Applied-Centura	\$450/hr	\$300/hr
RIE-Cl2-SAMCO-200iP	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-Diamond-SAMCO-200iP	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-F-Samco-230iP	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-Mixed-Samco-230iP	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-PlasmaTherm-210RL-A	\$180/run + \$105/hr	\$120/run + \$70/hr
RIE-PlasmaTherm-210RL-B	\$180/run + \$105/hr	\$120/run + \$70/hr
VaporEtch-XeF2	\$300/run + \$90/hr	\$200/run + \$60/hr
METROLOGY		
4-Point-Probe-KLA-R54	\$150/run + \$90/hr	\$100/run + \$60/hr
AFM-Asylum-JupiterXR	\$150/run + \$180/hr	\$100/run + \$120/hr
AFM-Veeco	\$90/run + \$90/hr	\$60/run + \$60/hr
AIR_Solar_Sim	\$75/run + \$60/hr	\$50/run + \$40/hr
Cleave-LatticeAx	\$30/run + \$90/hr	\$20/run + \$60/hr
Dektak-150	\$30/run + \$45/hr	\$20/run + \$30/hr
Dektak-XT	\$30/run + \$45/hr	\$20/run + \$30/hr
Ellipsometer-Analysis-PC	\$15/hr	\$10/hr
Ellipsometer-FilmSense-RT300	\$60/run + \$90/hr	\$40/run + \$60/hr
Ellipsometer-Semilab-SE2000	\$60/run + \$90/hr	\$40/run + \$60/hr
Filmetrics-F20-Lower	\$15/run + \$30/hr	\$10/run + \$20/hr
Filmetrics-F50-Upper	\$30/run + \$60/hr	\$20/run + \$40/hr

Filmstress-Tencor-FLX2320	\$60/run + \$60/hr	\$40/run + \$40/hr
Filmstress-Toho-FLX	\$60/run + \$60/hr	\$40/run + \$40/hr
Fluidic-Test	\$90/hr	\$60/hr
LaserMarker-Keyence	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-200mm-4k	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-200mm-HD	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-Inspect-4k	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-Inspect-HD	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-Olympus-DSX	\$60/run + \$60/hr	\$40/run + \$40/hr
NIKON-Measurescope-UM-2	\$30/run + \$30/hr	\$20/run + \$20/hr
ProbeStation-Summit-11000	\$90/run + \$60/hr	\$60/run + \$40/hr
Rigaku-TXRF-3760	\$360/hr (\$180/hr from 12am – 8am)	\$240/hr (\$120/hr from 12am – 8am)
Scribe-Backside	\$30/run + \$60/hr	\$20/run + \$40/hr
Scribe-Frontside	\$30/run + \$60/hr	\$20/run + \$40/hr
SEM-Hitachi-Regulus8100	\$150/run + \$210/hr	\$100/run + \$140/hr
SEM-Zeiss-Sigma300	\$150/run + \$210/hr	\$100/run + \$140/hr
Tencor-P10	\$60/run + \$75/hr	\$40/run + \$50/hr
Veeco-Wyko-NT9800	\$60/run + \$75/hr	\$40/run + \$50/hr
NANOMAT		
4_Point_Probe	\$60/run + \$60/hr	\$40/run + \$40/hr
AIR_BladeCoater	\$132.60/hr	\$88.40/hr
AIR_FOM	\$132.60/hr	\$88.40/hr
Cary_UV-Vis_Spec	\$120/run + \$120/hr	\$80/run + \$80/hr
Fluorescence_Spec	\$300/run + \$30/hr	\$200/run + \$20/hr
GB_Metals_Evaporator	\$420/run + \$90/hr after 3 hrs + materials	\$280/run + \$60/hr after 3 hrs + materials
GB_Organics_Evaporator	\$420/run + \$90/hr after 3 hrs + materials	\$280/run + \$60/hr after 3 hrs + materials
GB_Solar_Sim	\$75/run + \$120/hr	\$50/run + \$80/hr
GB_Spincoater	\$75/run + \$120/hr	\$50/run + \$80/hr
PACKAGING		
Clean-Ar-Plasma	\$30/run + \$30/hr	\$20/run + \$20/hr
DieBonder-PickAndPlace	\$180/hr	\$120/hr
Diesaw-DAD3240	\$150/run + \$90/hr	\$100/run + \$60/hr
FlipChipBond-Finotech	\$150/run + \$90/hr	\$100/run + \$60/hr
Microscope-QuickVision	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-Stereo-Packaging	\$30/run + \$30/hr	\$20/run + \$20/hr
Oven-EnvironmentalTest-ESPEC	\$300/run + \$30/hr	\$200/run + \$20/hr
Oven-Reflow	\$150/run + \$150/hr	\$100/run + \$100/hr
Solder-Station	\$75/run + \$60/hr	\$50/run + \$40/hr
Vacuum-Sealer	\$15/run + \$15/hr	\$10/run + \$10/hr
Wirebond-Auto	\$75/run + \$150/hr	\$50/run + \$100/hr

Wirebond-Ball-MEI	\$75/run + \$150/hr	\$50/run + \$100/hr
Wirebond-Ball-Westbond	\$75/run + \$150/hr	\$50/run + \$100/hr
Wirebond-Wedge	\$75/run + \$150/hr	\$50/run + \$100/hr
PHOTOLITHOGRAPHY		
Asher-Barrel-Thierry	\$30/run + \$30/hr	\$20/run + \$20/hr
Asher-Chuck-ESI	\$30/run + \$30/hr	\$20/run + \$20/hr
Asher-SoftLitho	\$30/run + \$30/hr	\$20/run + \$20/hr
Asher-TergeoPlus-Remote	\$30/run + \$30/hr	\$20/run + \$20/hr
Asher-TergeoPro-Strip	\$30/run + \$30/hr	\$20/run + \$20/hr
Asher-TergeoPro-Clean	\$30/run + \$30/hr	\$20/run + \$20/hr
Beamer	\$30/run + \$60/hr	\$20/run + \$40/hr
CoatDevelop-picoTrack	\$30/run + \$90/hr + \$30/wafer	\$20/run + \$60/hr + \$20/wafer
Coldplate-Solvent	\$90/run + \$30/hr	\$60/run + \$20/hr
CPD-Toussimis-931	\$150/run + \$60/hr	\$100/run + \$40/hr
Develop-Brewer-200CBX	\$30/run + \$60/hr	\$20/run + \$40/hr
Develop-L08	\$90/run + \$30/hr	\$60/run + \$20/hr
Develop-U10	\$90/run + \$30/hr	\$60/run + \$20/hr
Develop-U12	\$90/run + \$30/hr	\$60/run + \$20/hr
DirectWrite-MLA150-AirAF	\$135/run + \$150/hr	\$90/run + \$100/hr
DirectWrite-MLA150-OptAF	\$135/run + \$150/hr	\$90/run + \$100/hr
DirectWrite-MLA150-WaferOnly	\$135/run + \$150/hr	\$90/run + \$100/hr
DirectWrite-NanoFrazor	\$105/run + \$180/hr	\$70/run + \$120/hr
DirectWrite-Nanoscribe-GT2	\$300/run + \$60/hr	\$200/run + \$40/hr
DirectWrite-Raith-PicoMaster	\$135/run + \$150/hr (\$30/hr after 3 hrs)	\$90/run + \$100/hr (\$20/hr after 3 hrs)
EBL-Elionix-F125	\$280.50/hr	\$187/hr
EBL-Elionix-HS50	\$280.50/hr	\$187/hr
EBL-Spinner-Hood-U06	\$90/run + \$30/hr	\$60/run + \$20/hr
General-Spinner-Hood-L10	\$90/run + \$30/hr	\$60/run + \$20/hr
General-Spinner-Hood-U12	\$90/run + \$30/hr	\$60/run + \$20/hr
HMDS-Yes-U10	\$30/run + \$30/hr	\$60/run + \$20/hr
Hotplate-Tower-U10	\$30/run + \$15/hr	\$20/run + \$10/hr
Hotplate-Tower-U12	\$30/run + \$15/hr	\$20/run + \$10/hr
Interference-LloydsMirror	\$300/run + \$150/hr	\$200/run + \$100/hr
Liftoff-L08	\$90/run + \$30/hr	\$60/run + \$20/hr
Liftoff-L10	\$90/run + \$30/hr	\$60/run + \$20/hr
Liftoff-U12	\$90/run + \$30/hr	\$60/run + \$20/hr
MaskAlign-EV620	\$180/run + \$120/hr	\$120/run + \$80/hr
MaskAlign-MA6	\$180/run + \$120/hr	\$120/run + \$80/hr
MaskAlign-SoftLitho-EV620	\$180/run + \$120/hr	\$120/run + \$80/hr
Oven-PostBake-U10	\$15/run + \$15/hr	\$10/run + \$10/hr

Oven-PostBake-U12	\$15/run + \$15/hr	\$10/run + \$10/hr
Oven-PreBake-U10	\$15/run + \$15/hr	\$10/run + \$10/hr
Oven-PreBake-U12	\$15/run + \$15/hr	\$10/run + \$10/hr
Polymer-Spinner-Hood-U04	\$90/run + \$30/hr	\$60/run + \$20/hr
Resist-Spinner-Hood-U10	\$90/run + \$30/hr	\$60/run + \$20/hr
Spinner-DualResist-U10	\$30/run + \$90/hr + \$30/spin	\$20/run + \$60/hr + \$20/spin
Spinner-DualResist-U12	\$30/run + \$90/hr + \$30/spin	\$20/run + \$60/hr + \$20/spin
Spinner-EBL	\$30/run + \$90/hr + \$30/spin	\$20/run + \$60/hr + \$20/spin
Spinner-Polymer	\$30/run + \$90/hr + \$30/spin	\$20/run + \$60/hr + \$20/spin
Spinner-Resist-L10	\$30/run + \$90/hr + \$30/spin	\$20/run + \$60/hr + \$20/spin
UV-Ozone-Cleaner-CR	\$30/run + \$30/hr	\$20/run + \$20/hr
UV-Ozone-Cleaner-U2	\$30/run + \$30/hr	\$20/run + \$20/hr
PROTOTYPING		
BMF S240 3D Printer	\$147/hr (drops to \$73.50/hr after 5 hrs)	\$98/hr (drops to \$49/hr after 5 hrs)
Mimaki 3D Printer	\$136.50/hr (drops to \$68.25/hr after 5 hrs)	\$91/hr (drops to \$45.50/hr after 5 hrs)
Stratasys Origin One	\$88.20/hr (drops to \$44.10/hr after 5 hrs)	\$58.80/hr (drops to \$29.40/hr after 5 hrs)
UpNano_3D_Printer	\$225/hr (drops to \$102/hr after 6 hrs)	\$150/hr (drops to \$68/hr after 6 hrs)
SOFT LITHO		
Microscope-Inspect-SU8	\$30/run + \$30/hr	\$20/run + \$20/hr
Microscope-Stereo-SU8	\$30/run + \$30/hr	\$20/run + \$20/hr
Mixer-PDMS-Degas	\$60/run + \$30/hr	\$40/run + \$20/hr
Oven-PDMS	\$15/run + \$15/hr	\$10/run + \$10/hr
PDMS-Prep	\$90/run + \$30/hr	\$60/run + \$20/hr
SoftLitho-Develop	\$90/run + \$30/hr	\$60/run + \$20/hr
SoftLitho-Prep	\$90/run + \$30/hr	\$60/run + \$20/hr
Spinner-SU8	\$60/run + \$150/hr + \$60/spin	\$40/run + \$100/hr + \$40/spin
SU8-Spinner-Hood	\$90/run + \$30/hr	\$60/run + \$20/hr
WET ETCH & CLEAN		
Acid-Etch-General-L06	\$180/run + \$120/hr	\$120/run + \$80/hr
Acid-Etch-General-U10	\$180/run + \$120/hr	\$120/run + \$80/hr
Acid-Extended-U07	\$420/run + \$30/hr	\$280/run + \$20/hr
Acid-PostCMP-U07	\$420/run + \$30/hr	\$280/run + \$20/hr
Acid-PreClean-L06	\$180/run + \$120/hr	\$120/run + \$80/hr
Acid-PreClean-U06	\$180/run + \$120/hr	\$120/run + \$80/hr
Acid-SmallTanks-U10	\$180/run + \$120/hr	\$120/run + \$80/hr
AutoAcid-L06	\$180/run + \$120/hr	\$120/run + \$80/hr
AutoRCA-L02	\$180/run + \$120/hr	\$120/run + \$80/hr
CMP-GnP	\$300/run + \$150/hr	\$200/run + \$100/hr
NitrideEtch-Phos-L06	\$180/run + \$120/hr	\$120/run + \$80/hr
OxideEtch-HF-BOE-L06	\$180/run + \$120/hr	\$120/run + \$80/hr

Plating-U04	\$180/run + \$120/hr	\$120/run + \$80/hr
RCA-Diffusion-L02	\$180/run + \$120/hr	\$120/run + \$180/hr
SiliconEtch-KOH-TMAH-L06	\$180/run + \$120/h	\$120/run + 80/hr
Solvent-Clean-U06	\$90/run + \$30/hr	\$60/run + \$20/hr
Solvent-L06	\$90/run + \$30/hr	\$60/run + \$20/hr
SRD-L02	\$15/run + \$15/hr	\$10/run + \$10/hr
SRD-L06	\$15/run + \$15/hr	\$10/run + \$10/hr
SRD-U10	\$15/run + \$15/hr	\$10/run + \$10/hr
OTHER		
Cleaning-Cart-1	\$30/run + \$15/hr	\$20/run + \$10/hr
Ops-Labware-Washer	\$75/run + \$30/hr	\$50/run + \$20/hr
Ops-LeakChecker-1	\$300/run + \$45/hr	\$200/run + \$30/hr
Ops-LeakChecker-2	\$300/run + \$45/hr	\$200/run + \$30/hr
Ops-ParticleCounter	\$60/run + \$30/hr	\$40/run + \$20/hr

*Please note that rates are subject to change.