

The Expanding World of Nanofabrication

An update from the Kingston NanoFabrication Lab – August 11, 2015

Good day,

KNFL staff have been in the process of commissioning the lab, setting up equipment, and establishing protocols and training programs. While some of this activity will continue over the next few months, the lab is getting close to being fully operational and many of our tools are working and tested. I want to take this opportunity to thank all the people on this list who have contributed to this process so far. The help is much appreciated.

I would also like to announce that during this commissioning phase, any work that has been performed at KNFL to this point will be fully discounted, and any work on tools in the future that are not fully ready will also be subject to a discount. Invoices will be prepared for the work already done to help you understand what invoicing will be like and what the costs would have been during this period.

Beginning next Monday, August 17, KNFL will begin charging for use of the cleanroom facility and the equipment at KNFL. The price list for all current charges is attached to this email, and will be posted on our website, which will be online in the next couple of weeks. Until then, booking equipment and training will continue as usual.

If you have any questions or comments, please do not hesitate to contact me.

Kind regards,

Graham Gibson

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Kingston Nano-Fabrication Laboratory (KNFL) Prices (Effective August 15, 2015)

Access Fees and Equipment Rates

Access Fee to cleanroom and equipment includes:

- basic lab training (cleanroom training (gowning, safety protocol))
- introductory equipment training
- basic consumables (gloves, bouffants, paper, wipes)
- other stocked consumables (photoresists, solvents, common acids, developers)

Some surcharges apply, e.g., precious metals used in deposition.

	KNFL Academic Rate	KNFL Industrial Rate
Access Fee:	\$35/hr	\$90/hr
Rates per Equipment (in addition to Access Fee):		
Scanning Electron Microscope	\$25/hr	\$90/hr
Electron Beam Lithography*	\$25/hr	\$90/hr
Picosecond Laser Micromachining System	\$25/hr	\$45/hr
Ink-jet Microplotter System*	\$20/hr	\$45/hr
Maskless Lithographic System*	\$20/hr	\$45/hr
Mask Aligner*	\$10/hr	\$15/hr
Evaporator (Electron Beam and Thermal) – Gold*	\$0.10 per Angström	\$0.20 per Angström
Evaporator (Electron Beam and Thermal) – Other*	\$0.05 per Angström	\$0.10 per Angström
Spin Coater	No additional fees. These tools are included in the access fee.	
Wet Bench with fume hood (wet etching, cleaning)		
Fume Hood for Lithographic Process		
Hot Plate		
Plasma Cleaner		
Optical Microscope		
Oven		
Profilometer		

* Pricing will come into effect September 2015.

CMC Subscribers are eligible to apply for [MNT Financial Assistance and Travel Awards](#).

Process Engineer Support Rates

- Academic: \$60/hr, Industrial: \$100/hr

Training Rates (advanced equipment training beyond introductory training)

- Academic: \$25/hr, Industrial: \$100/hr

Prices are subject to change at any time and without prior notice.