

## The Expanding World of Nanofabrication – *an update from NanoFabrication Kingston*

December 16, 2022

Good day,

You are receiving this important update as a user of NFK, as a supervisor of a user, or as someone who requested to receive these updates.

### **Changing rates effective Jan. 1, 2023**

We have completed a review of our lab usage rates to update them for the first time since we opened in 2015, and a change has been approved by our Board. You will find that most rates have not changed, and some have even been reduced, so I encourage you to have a look to see how it will affect your usage of the facility. The new rates have already been posted on our website [here](#). Some significant changes are highlighted below:

#### ***Probe station and ellipsometer***

These recent additions to our tool set are graduating from the ‘commissioning’ phase and will be assessed user fees going forward. The rate for these tools will be included in the Access Fee. Log sheets will be provided at the tool locations.

#### ***Logging usage on tools in the entrance room***

Usage of tools in the entrance room will no longer require badging in/out at the gowning room door. Logging of the access fee for this equipment will be done by log sheets at each tool.

This applies to the **laser micromachining system** as well. For the laser, the Access Fee will be limited to one hour, regardless of laser time. This fee will be applied automatically for each entry in the laser’s usage log.

#### ***Labour rates for service projects***

The most significant increase in usage rates is for labour associated with service projects. For those of you who utilized our project services in the past, you may find future quotes slightly higher than you have been accustomed to.

#### ***Added consumables***

A more complete list of stocked consumables and their prices now appears on our website. Importantly, two items that were previously provided at no additional charge have been added to the list of consumables for sale. Given their cost and the fraction of researchers using them, single wafer carrier trays and GelPaks will now be sold. A log sheet will be provided at the consumables rack to track consumable sales, with signage to help clarify what to do.

Full details of the change are in the following table:

Tool/Item	Previous Rate		Rate as of Jan. 1, 2023	
	Academic	Industrial	Academic	Industrial
Access Fee	\$35/hr	\$90/hr	\$35/hr	\$95/hr
RIE	\$30/hr	\$90/hr	\$15/hr	\$45/hr
EBL/SEM	\$25/hr	\$90/hr	\$25/hr	\$50/hr
Maskless Photolithography	\$20/hr	\$45/hr	\$20/hr	\$45/hr
Mask Aligner	\$10/hr	\$15/hr	\$10/hr	\$15/hr
Sputter	\$0.05/Å	\$0.05/Å	\$0.05/Å	\$0.05/Å
Evaporator (precious metals)	\$0.10/Å	\$0.10/Å	\$0.10/Å	\$0.10/Å
Evaporator (other)	\$0.05/Å	\$0.05/Å	\$0.05/Å	\$0.05/Å
Sonoplot	\$35/pipette	\$35/pipette	\$35/pipette	\$35/pipette
Laser Micromachining	\$25/hr	\$45/hr	\$25/hr	\$45/hr
100 mm Si wafer	\$25/ea	\$25/ea	\$25/ea	\$25/ea
50 mm Si wafer	\$20/ea	\$20/ea	\$20/ea	\$20/ea
100 mm Si wafer with 300 nm WTO	\$40/ea	\$40/ea	\$40/ea	\$40/ea
Single wafer carrier tray	-	-	\$10/ea	\$10/ea
GelPak	-	-	\$15/ea	\$15/ea
Photomask blank	\$100/ea	\$100/ea	\$100/ea	\$100/ea
Labour	\$60/hr	\$100/hr	\$70/hr	\$125/hr

See you at the lab!

Graham Gibson

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