

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

January, 2021

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.

Sputter news

The Lesker PVD75 sputtering system is now fixed and working well. After a full year, the part finally arrived and was successfully installed and tested. This tool is now available for booking and training again.

Maskless Lithography news

The SF-100 Xpress maskless lithography system has been through extensive cleaning, tuning, and calibration over the past couple of weeks. It is now working better than it has in quite a while. However, anyone who has been using this tool regularly should perform a test process to confirm parameters. Please ask if you have any questions about what specifically may have changed.

Electron-Beam Lithography (and SEM) news

Good news: we have found the source of the stitching error some of you have been noticing. If you were having this problem, ask me how to fix it.

Bad news: the turbo pump failed over the weekend. We are in the process of ordering a replacement and will let you know when the system is ready again.

Spin Coater news

For those of you who spin coat glass microscope slides, there is a new chuck adapter with an o-ring you should use. This will help prevent resist from getting into the vacuum line.

COVID-19 update

NFK continues to be open to support your research throughout the government-restricted period. If you already have authorization for on-site research, you are welcome to email me to schedule time in the lab or arrange for a service project.

We want to hear from you

NFK is always interested in hearing about your research. Has your work at NFK led to a publication or conference presentation? If so, please let us know. We are constantly updating our [list](#) of peer-reviewed journal articles showcasing work done at NFK. We also welcome feedback about our tools and

services. Feel free to forward your questions, concerns, complaints, or praise to [me](#), and I will do my best to respond.

See you at the lab!

Graham Gibson

Lab Operations Manager, NanoFabrication Kingston
Queen's University
945 Princess St.
Kingston, ON
K7L 0E9
gibsong@queensu.ca

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