

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

May, 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.

Equipment news

Raith EBL/SEM:

The laser interferometer has failed, so e-beam lithography will not be possible until it is replaced. The stage cannot be accurately positioned, so placement accuracy and write field alignment are very poor. The beam is fine, however, so SEM is still possible.

Laser micromachining system:

The extractor fan has failed, so the exhaust that normally draws ablation debris away from the sample is not effective. This may result in more material left on your sample during machining.

COVID-19

NFK continues to follow [Queen's University guidance for COVID-related issues in research labs](#). While some restrictions were lifted earlier in May, others have been extended. In particular, face masks meeting at least ASTM level 2 are required at all times while working in a Queen's facility.

SWEP student

NFK welcomes Sophia Ewaniuk as a lab assistant for the summer. She will be working on process development projects in addition to lab maintenance. Please feel free to introduce yourself when you visit NFK!

See you at the lab!

Graham Gibson

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