

The Expanding World of Nanofabrication

An update from NanoFabrication Kingston – April, 2017

Good day,

You are receiving this important update as a user of the NFK lab or as a supervisor of a user.

Full cleanroom procedures

The deposition and etching room at the NFK lab is now being operated as a cleanroom and users are now expected to follow the full [cleanroom procedure](#) when using this room.

New photoresists

NFK has new bottles of Shipley 1805 and Shipley 1813 photoresists.

NFK has a new bottle of SU-8 2075, along with thinner to dilute to other thicknesses. This new system will allow resist thickness from 0.5 to 200 microns!

Published articles on our website

Congratulations to Dr. Richard Oleschuk and co-authors for publishing an article based on microfluidic patterning work done at the NFK lab! See our [News page](#) for a full description.

If you get an article published based on your work at NFK, we'd love to hear about it. We will include your citation information and link to your article on our website!

Spin coating

There are a few new features with the spin coater. There is now a vacuum regulator and new chuck procedure to improve coating quality. Also, the air purge is now remote-controlled. You may want to ask a staff member if you haven't used it in a while.

Raith down

The Raith e-beam lithography and SEM tool is currently down for repair of a vacuum component. Check the scheduling calendar for updates on its availability.

Reminder

The three newest pieces of equipment – the Reactive Ion Etcher, the Mask Aligner, and the Sputter Coater – are now out of the promotional commissioning period. The Sonoplot microplotter is still in commissioning, however, and its usage fee will be waived until further notice. See the [User Fees](#) page for details.

Fabricating? Get financial assistance from CMC Microsystems

CMC Microsystems helps Canadian researchers with their [micro/nano technology \(MNT\) fabrication needs](#). As part of this, CMC offers financial assistance to ease the cost of fabrication, which you can use to access NFK. Learn more about eligibility and how to apply at: <http://www.cmc.ca/en/WhatWeOffer/Make/MNTPortal/FinancialHelp.aspx>.

See you at the lab!

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