

The CNSI Innovation Workshop is comprised of the **main facilities in Elings 3430** and the **machining hub in Elings 2442**. The Innovation Workshop is used by a wide group of students, staff, and external users in order to reach their fabrication goals. We have 3D Printers, a laser cutter and traditional machine tools in addition to a variety of more specialized tools, such as polymer casting equipment for PDMS microfluidics and our custom CNC glass/silicon cutter.

This Wiki has information about: becoming a workshop user; safety, reference, and training information for the workshop tools; Standard Operating Procedures (SOPs); chemical safety references; and other generally useful reference material for working productively in the CNSI Workshops.

Workshop wizards are undergraduate students who maintain the labs, provide training to users, design new tools, and build parts for users. Dr. Brian Dincau is the workshop manager. Please feel free to contact any of us with questions or ideas that you want to discuss.

Lab Announcements

06/11/25

Summer Update: There will be minimal Wizard support this summer at the Innovation Workshop. If you submit jobs, expect them to be performed by the lab manager.

Additionally, we cannot offer CNC machining services at the moment due to staff shortage. However, the lab manager may be able to take on CNC work starting in July.

05/08/25

The lab manager has returned from vacation and is preparing next week's training schedule. There are currently about 30 outstanding requests and we will do our best to accommodate everyone asap.

If you posted limited availability (less than 2 timeslots per weekday), you may have to wait longer.

02/11/2025

As some of you may know, we recently installed a **new laser cutter**. It's much more powerful than the Trotec, with a larger bed and a more effective air assist. This means it can cut a much wider range of materials. You can learn more about the new laser cutter [here](#)

We are currently phasing out the old Trotec. If you need to laser cut, please request training on the new laser cutter asap. **The Trotec will no longer be available for regular use.** You can find the training request form below the announcements.

Hotlinks for Submissions and Requests

[Job Submission Google Form](#)

The job submission form allows you to upload files or request correspondence to get a part made by our workshop wizards.

[Training Request Google Form](#)

The training request form includes the new user orientation, which is required to become a user of

these labs.

Access to the Workshops

Please visit this page for information about becoming a new user and gaining card-key access to the labs.

Contact Information

Please reach out to Brian and/or the workshop wizards with questions or concerns about the lab and its tools!

Lab Manager

Brian Dincau: Elings 3217; bdincau@ucsb.edu; (805) 724-0426

Workshop Wizards

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Feedback

[Microfluidics Lab & Innovation Workshop Feedback Form](#)

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