



## Take steps toward commercialization using the equipment in one of our six labs.

### Fabrication Lab

Many of our clients use our Fab Lab (and the help of our in-house industrial designers from BZ Design) to create three-dimensional prototypes of their product or device. Funded by a grant from the Max and Marion Farash Charitable Foundation, the Fab Lab enables founders to assess their product's usability and appeal. Use your own CAD program, develop your design on our CAD system, or tap the expertise of designers for training and assistance.

### Optics & Electronics Labs

Our optics and electronics labs are staffed based on the needs of our entrepreneurs.

Optics R&D Lab	Electronics Lab
<ul style="list-style-type: none"><li>• Three optical tables (one with active vibration isolation)</li></ul>	<ul style="list-style-type: none"><li>• Lambda LP-530 power supply</li></ul>
<ul style="list-style-type: none"><li>• Microview video measuring microscope with X and Y digital readouts</li></ul>	<ul style="list-style-type: none"><li>• Textronix 2465 scope</li></ul>
<ul style="list-style-type: none"><li>• EFD 1500XL fluid dispenser</li></ul>	<ul style="list-style-type: none"><li>• Textronix AFG310 function generator</li></ul>
<ul style="list-style-type: none"><li>• B&amp;L stereozoom microscope</li></ul>	<ul style="list-style-type: none"><li>• Rigol MSO2202A-S 200MHz, 2 analog Ch Oscilloscope plus signal source</li></ul>
<ul style="list-style-type: none"><li>• Zygo 4" GPI phase shift interferometer and accessories</li></ul>	<ul style="list-style-type: none"><li>• Rigol DP832 programmable power supply</li></ul>
<ul style="list-style-type: none"><li>• Muller Wedel autocollimator</li></ul>	<ul style="list-style-type: none"><li>• Fluke 88V automotive multimeter</li></ul>
<ul style="list-style-type: none"><li>• Ocean Optics QEPro CCD cooled spectrometer (350-1100nm)</li></ul>	<ul style="list-style-type: none"><li>• Aoyue 968A+ soldering and hot air rework station</li></ul>
<ul style="list-style-type: none"><li>• IS Polar – polarization analyzer</li></ul>	<ul style="list-style-type: none"><li>• Hakko FM206 soldering and hot air rework station</li></ul>
<ul style="list-style-type: none"><li>• Thorlabs PM16-120 optical power meter</li></ul>	<ul style="list-style-type: none"><li>• (2) Aoyue 328 PCB holder/working platforms</li></ul>
<ul style="list-style-type: none"><li>• Thorlabs WFS40-K2 wavefront sensor</li></ul>	<ul style="list-style-type: none"><li>• Reflowster, reflow oven controller and toaster oven</li></ul>
<ul style="list-style-type: none"><li>• Filmetrics Profilm 3D optical profiler</li></ul>	<ul style="list-style-type: none"><li>• Aoyue AO486 solder fume extractor</li></ul>
<ul style="list-style-type: none"><li>• Thorlabs Cerna microscope</li></ul>	

## **Wet Labs**

We have four wet labs, and each has a chemical fume hood, 4 or 5 lab benches/tables, sinks, vacuum and compressed air, and combination shower / eye wash stations.

### **One wet lab features:**

- Thermo Scientific X1R Multifuge centrifuge
- A and D scale HR-250A2
- A and D scale EJ-6100
- Hanna PH-ISE meter
- Benchmark mini mag stirrer
- Thermo Scientific Smart 2 Pure water de-ionizer
- Thermo Scientific TSX freezer -80 deg C
- So-Low laboratory freezer

