



DESIGN AND PROTOTYPING: Electrical and Mechanical Design for Manufacturing (DFM)

Overview

The Technology Hub at NextFlex bridges the gap between research and volume manufacturing with an end-to-end manufacturing process. Unique capabilities in electrical and mechanical design and prototyping are highlighted below:

Design Software

Autodesk Suite
Mentor Graphics Suite

Prototyping Capabilities

The equipment available at NextFlex allows rapid prototyping on-site, enabling iterative development of a manufacturable device.

Formlabs Form 3 (Stereolithography 3D printer)

- 25 μm xy resolution
- 250 mW laser power
- 25-300 μm layer thickness
- 14.5 x 14.5 x 18.5 cm build volume

Voltera (Extrusion Printer)

- 200 μm min trace width
- 650 μm min pin-to-pin pitch
- 128 x 116 mm print area

NScript 3Dn-DDM 500 (Micro-Dispensing and Direct Digital Manufacturing)

- 10 nm Resolution, 500 nm Repeatability, 1 micron accuracy
- 500 mm travel in xy
- 150 mm travel in z

For more information, contact NextFlex at info@nextflex.us.