The Engineering Innovation Hub (EIH) at the University of Notre Dame is a 10,000-square-foot facility dedicated to advanced manufacturing and experiential learning. Located on the first floor of Fitzpatrick-Cushing Halls of Engineering, it boasts state-of-the-art resources for group collaboration, product fabrication, automation, robotics, and modeling.

At the EIH, students work to consider new solutions to practical and meaningful problems, and take products from concept to realization through project-based learning experiences and collaboration with industry. These experiences will help to ensure they graduate with the experience and skills needed to remain competitive in the advanced manufacturing sector. The hub also serves as a resource for industry partners and businesses as they explore and develop innovative product solutions.

SERVICES & COLLABORATION OPPORTUNITIES

- Initial consultation
- Rapid prototyping
- Reverse engineering
- Sponsored engineering research and development
- Applied learning engagement with Notre Dame students

EQUIPMENT & CAPABILITIES

Advanced Manufacturing
- Automation robot trainer – Fanuc Classmate
- Waterjet cutter – Omax 1515
- SLM 3D metal printer, GE M2 Series 4 DL 400 W

Additive Manufacturing
- FDM 3D printer – Stratasys F120 & F370
- FDM 3D printer w/ carbon fiber – Markforged X2 & X7
- Polyjet 3D printer – Stratasys J55
- SLA 3D resin printer – FormLabs Form 3BL

Metrology
- Optical comparator – Mitutoyo PH-A14
- Handheld 3D scanner – Artec Eva Lite
- White-light profilometer – Filmetrics Profilm 3D
- Measurement arm, w/ scanner – Hexagon 7-axis

Machining & Fabrication
- Manual fabrication tools
- CNC & manual lathes
- CNC & manual 3-axis mills

CONTACT

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