
MAKE+
PRODUCT DEVELOPMENT
**INNOVATION
FOR A COMPLEX WORLD**



About MAKE+

MAKE+ is a multidisciplinary research group focused on product development, applied research, and education. The MAKE+ subgroup Product and Process Applied Research Team (PART) is the only academic product development group in Canada registered to the ISO 13485 Quality Management System for medical device manufacturers.

MAKE+ optimizes the functionality, user experience, value, and commercial success of emerging health, consumer, and industrial products through the following services to industry—both provincially and globally:

- Definition of the design challenge
- Development of design concepts
- Creation of prototypes
- Evaluation of prototype and/or product performance
- Quality system design control and record creation

In addition, MAKE+ provides product development leadership to faculty and students at BCIT, BC, and globally.



MAKE+ provides leading edge design processes, such as a Makeathon conducted with amputees to develop novel prosthetic concepts.

“BCIT’s MAKE+ team is an excellent place for your product development work to be done with a professional team that works to meet the needs of your company.”

Lisa Fraser
Snug Vest NSERC Engage program

“The team created an aesthetically beautiful prototype. The device required multiple changes in specifications along the way and these were handled well by the team.”

Dr. Liisa Holsti
Canada Research Chair at UBC
Neonatal Health and Development

“This is the first time that I have—as an amputee—been invited to be part of this kind of process. It’s refreshing to provide input as an end user.”

Gary Richardson
Visitation Director
Association for Injured Motorcyclists
MAKE+ Prosthetics and
Orthotics Makeathon participant



BCIT MAKE+ researcher creating prototypes on a CNC machine.

MAKE+ has an extensive range of product development and evaluation facilities including:

- Full-scale fabrication lab with fabrication technologies that include CNC machining, waterjet and laser cutting, and 3D printing
- Motion capture lab with extensive physiological monitoring capabilities
- Soft Shop wearables lab with textile fabrication technologies that allow integration of sensors and textiles
- Electronics fabrication lab
- Simulation facilities for evaluation of prototypes and products with extensive data collection equipment.



BCIT MAKE+ researchers created a clinical-trial-ready prototype device that simulates skin-to-skin contact for babies who are too fragile to be held by their mothers.



Benefits of Working with MAKE+

- Flexibility and adaptability to meet your specific product development needs
- Synergistic team-based approach to problem solving
- Broad and deep range of expertise and talent
- Connected with domestic and international industry and academic partners
- Increased probability of commercial success

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