



SERVICES OFFERED IN:
English and French



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Camosun's Technology Access Centre provides product development and process improvement services to Vancouver Island based manufacturers. We help companies adopt advanced manufacturing technologies and are a key link between the manufacturing sector and Camosun's students and faculty.

AREAS OF INNOVATION EXPERTISE

- Advanced Manufacturing
- Rapid Prototyping
- 3D Scanning
- Composites Tooling and Parts Manufacturing
- Productivity Enhancement & Automation
- Technology and Human Performance

Affiliated with Camosun College



TECHNICAL AND BUSINESS SERVICES

- Advanced welding support for product development
- Components/parts fabrication
- Concept ideation & design review
- Customized machining (including laser machining)
- Design Services
- Digital Media & Web Solutions
- Fabrication, Prototyping and Installation Services
- Facilitation service (introduction)
- Field trials/Simulation
- Literature reviews
- Problem solving
- Product testing
- Project management
- Proof of concept
- Rapid prototyping / 3D printing
- Scientific and technological monitoring
- Scientific report writing
- Technology & workflow consultation
- Technology development
- Technology evaluation / validation
- Testing Services



APPLIED RESEARCH AND DEVELOPMENT

- 3D design & rapid Prototyping
- 3D Scanning
- Automation
- Coaching
- Composite part manufacturing
- Composite tooling design and manufacturing
- Concept validation
- Cost avoidance
- Design of Experiment
- Human Factors Studies
- Industrial scale prototyping
- Laboratory/pilot scale prototyping
- Manufacturing process design and development
- Non-destructive inspection
- Performance monitoring and analysis
- Pre-commercialization 3D Printing services
- Process optimization
- Product Design & Development
- Product Re-design & Improvement
- Provincial and federal grant proposal development
- Reverse Engineering
- Robotics and automation and imaging
- Technology validation and transfer



TRAINING

- Connections to co-op placement opportunities
- Corporate on-site & in-house training
- Curriculum development
- Design, development, and delivery of customized training
- Interactive Workshop Sessions
- Training planning
- Train the trainer



TECHNOLOGY DIFFUSION

- Customized technology demonstrations
- Evening speaker series
- Field site product demonstration
- Industry-specific events & symposia
- Networking events
- Open houses - Testing facility & personnel
- Participation at trade shows & other venues with or on behalf of partners
- Presentation of results at conferences
- Seminars and Workshops



INVENTORY OF SPECIALIZED EQUIPMENT

- ABB IRB 120 Robot with Cognex vision system
- ABB IRB 140 Welding Robot with Fronius Cold Metal Transfer (CMT) welder
- Carbon Fibre printer
- CMS
- Condor VC Weiler High Precision Toolroom Lathe
- Fortus 400MC FDM Rapid Prototyping machine
- GoScan 20, GoScan 50, Creaform laser scanner
- Manual Fronius CMT Aluminum Welder
- Matsuura MX-520 5-Axis CNC Machining Centre
- MVP Tooling Compound Applicator for Composites
- Omax 60120 5-Axis waterjet cutter
- TROTEC SP1500 – 200W CO2 Laser Cutter
- Universal Robot UR10 arm
- Viper Si2 SLA Rapid prototyping machine
- White Light Scanner
- Miscellaneous testing equipment
 - Infrared camera, tensile tester