

Centre for Innovation in Manufacturing - Technology Access Centre (CIM-TAC)

Red Deer Polytechnic

📍 Red Deer, AB

CIM-TAC



ABOUT CIM-TAC

Leading edge ideas become reality when clients collaborate with the Centre for Innovation in Manufacturing (CIM-TAC) to discover innovative manufacturing solutions.

Located at Red Deer College, the CIM-TAC is a collaborative centre equipped with \$5.9M in cutting-edge, industry-leading prototype and advanced manufacturing equipment in 15,000 square feet of industrially accessible space. We focus on early stage prototyping and product development, design for manufacturing, validation, and manufacturing optimization. Our expert technicians are dedicated to serving industry needs, and can help our clients to problem solve, engineer designs, create 3D models, and fabricate prototypes. RDC is the only post-secondary facility in Alberta with this breadth of manufacturing equipment and expertise.

Being both centralized and dedicated to serving industry, the CIM-TAC is an integral part of the regional investment attraction portfolio and a trustworthy partner for industry collaboration. Our outstanding reputation has been earned by providing excellent service to our clients, and through our willingness to refer companies to other organizations who are a better fit when appropriate. As a member of the central Alberta manufacturing community, the CIM-TAC can connect you to community partner organizations, industry experts, and funding opportunities. We strive to respond to industry needs in a timely and efficient manner.

Since opening, the CIM-TAC has seen an overwhelming demand for our services from across the province and gained a reputation for approachability, relevant technical expertise, and broad industry support capabilities. We have a long list of satisfied clients and a growing record of successful new and improved products and processes, created in partnership with Alberta companies.



HAAS Super VF-3 vertical milling machine.



Contact CIM-TAC

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 [100 College Boulevard, Red Deer, AB T4N 5H5](#)

 **Services offered in:** English

 **Request Interactive Visit:** <http://interactivevisits.ca>



RESEARCH AND INNOVATION EXPERTISE

EXPERTISE

1. Testing and validation
2. System design
3. System scaling and benchmarking
4. Process optimization
5. Comparative analysis for new products
6. Market analysis
7. Product development and support
8. Product testing
9. 3D printing
10. Rapid prototyping
11. Digital simulation
12. Materials selection
13. Augmented reality
14. Metal fabrication
15. Additive manufacturing
16. 3D scanning
17. Reverse engineering
18. Metrology
19. Robotics and automation integration
20. Lean manufacturing
21. Destructive and non-destructive testing
22. Service testing
23. Mentorship and coaching

Previous Research Projects

- Simitri Stable in Stride - modular device to provide canine joint stability
- Good Morning Snore Solution - anti-snoring oral appliance
- Moppitt - multi-use cleaning tool for the airline industry
- H3ealth Technologies Inc. - design and prototyping for a portable maternal medical monitoring unit
- Finis Energy - solar panel roof tile
- iTClamp - medical device designed to instantly clamp a compressible wound shut
- Equine Smart Phone App

