Walker Advanced Manufacturing Innovation Centre

Solutions for Industry

Access Technical Services at the Walker Advanced Manufacturing Innovation Centre, your company's R&D partner, located at the Welland Campus of Niagara College. We provide a key competitive advantage to industry, offering access to cutting-edge equipment – and related services – for the development of products and manufacturing processes.

For example, we have been able to:

RECOMMEND A

3.5 times

REDUCTION for first-phase production time using lean manufacturing principles for a local manufacturer

PROVIDE AN equipment supplier with **SCANS AND CAD DRAWINGS** of out-of-production parts, to allow new production

PRINT CAR PARTS for an automotive manufacturer for better real-time communication between the designer and production facility

USE

3D

SOFTWARE for facility planning and to reduce time and costs of a factory expansion

Niagara College Canada

APPLIED DREAMS.

Do you have an innovative idea but lack the resources to bring it to life?

MEET WITH US. WORK WITH US.

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Walker Advanced Manufacturing Innovation Centre

Niagara College's Walker Advanced Manufacturing Innovation Centre team specializes in engineering design, 3D technologies, lean manufacturing processes and additive manufacturing. We work with Ontario businesses to bring ideas to life, from concept through to developing working prototypes, utilizing leading-edge technology, including equipment and software.

We specialize in

TECHNICAL SERVICES
Including: 3D Printing, 3D Design, 3D Measurement and Scanning

AUTOMATION
Mechanizing a process to decrease human labour and increase efficiency

PRODUCT DESIGN AND DEVELOPMENT
Creating a new product for deployment within your business or to be sold to a customer

REVERSE ENGINEERING
Discovering the technological principles of a device, object or system through analysis of its structure and functions

LEAN MANUFACTURING ASSESSMENT
Analyzing and improving an existing process within your operations

PRODUCT RE-DESIGN AND IMPROVEMENT
Revamping an existing product to improve quality and/or adapt to changing market conditions

Resources & Capabilities

- ***Rapid Prototype Machine***
- ***Laser Scanners (small-scale and room-size)***
- ***Vision System***
- ***Hand Measurement Tools***
- ***3D Computer-Aided Design***
- ***3D Factory Design***
- ***Physical Simulations and Modelling***
- ***Engineering Design***
- ***Electronics and Electrical***

"Niagara College brings youth, enthusiasm and knowledge to a tough playing field where every dollar is critical to the survival of many small businesses."

~Bob Benner, Hamill Machine Company Inc.

NSERC CRSNG

NRC·CNRC Canada
NRC Industrial Research Assistance Program / Programme d'aide à la recherche industrielle du CNRC

Ontario Centres of Excellence

Ontario

Niagara College Canada
APPLIED DREAMS.

Start the conversation today

Together, we will determine how best to meet your needs, whether we perform a quick turnaround service, or a full innovation project. For R&D partnership opportunities, contact us:

ncinnovation.ca