

PLANT SIZE: 3 Buildings

EQUIPMENT: CNC precision machining equipment and various computers for CAD/CAM and office management.

EXPERIENCE: Customers include: several small and medium sized manufacturing companies in Canada and worldwide, as well as the Canadian Forces Defense Research Establishments.

KEYWORDS: Analytical Chemistry; Environmental Chemistry; Chemistry; Biology; Coal Technology; Engineering Services; Product Development; Magnetic Couplings; Fiber Optic Rotary Joints.

REVISED: February 88

NOVATRONICS OF CANADA Ltd

ADDRESS: P. O. Box 610
677 Erie St
Stratford, Ontario, Canada
N5A 6V6

CONTACT: Ms Loraine Murray, Director of Sales - (519) 271-3880

HISTORY: Novatronics of Canada Ltd is a privately-owned Canadian company focusing on the marketing, development and manufacture of custom precision electromechanical systems and devices and related electronics for sensing, indication, actuation, and control of mechanical motion/positioning.

The company was established in 1955 as Muirhead Instruments Ltd, a subsidiary of Muirhead and Company, United Kingdom. It was acquired in 1969 by Novatronics Inc of Pompano, FL, and was sold in 1983 to the present owner, Donald J McDougall of London, Ontario.

CAPABILITY: Novatronics of Canada Ltd is primarily a developer and manufacturer of custom precision electromechanical devices and related electronics for the aircraft/aerospace/defence industries. Products include the following:

- Sensors - Synchros, resolvers, tachometers, rotary linear transducers (RLTs, RVDTs), and linear inductive transducers (LITs, LVDTs).
- Indicators - Cockpit indicators, digital indicators (electromechanical types).
- Motors/Actuators - Stepping motors, servo motors, brushless and brush type DC motors, rotary and linear actuators, and solenoid/valves.
- Electronics - Signal conditioning and processing, logic and control circuitry, A/D conversion, etc.
- Systems - Systems incorporating the above elements.

Novatronics has capabilities in the following areas:

- Design and Development - Full engineering design and development capabilities exist in the company, including qualified engineering staff supported by CAE/CAD systems, prototype shops and environmental test facilities.
- Manufacturing Facilities - High precision manufacturing is achieved through modern CN and NC machining equipment, along with specialized winding and assembly equipment staffed by an experienced and stable work force. The company occupied owned premises of some 27,000 sq ft located on 16 acres of industrial land in Stratford, Ontario.
- Quality Assurance - Consistent conformance to specifications is assured by the company's quality systems which conform presently to the requirements of AQAP-4 and are progressing towards AQAP-1.

• Project Management - Effective management of Development and Production Start-Up Programs is achieved through formal project planning and control methods, facilitated by computer-based Critical Path techniques.

AVERAGE WORK FORCE: Technical - 11
Managerial/Supervisory - 11
Skilled - 13
Others - 58

GROSS SALES: 1987 - \$3.8M
1988 - \$5.1M (Est'd)

PLANT SIZE: 27,000 Sq Ft

EXPERIENCE: Novatronics' primary markets are the aircraft, aerospace and defence industries in North America. Secondary markets are the aircraft, aerospace and defence industries in Europe. Tertiary markets are the business machines and industrial control sectors, again predominantly in North America with small offshore sales. Major customers include: Boeing, Bendix, Canadair, deHavilland, Fairchild, Gull, IBM, and Sperry.

KEYWORDS: Precision Electromechanical Devices; Sensors; Actuators; Indicators; Instruments; Flight Control Systems; Cockpit Indicators (Electromechanical); Synchros; Resolvers; RVDTs; Brushless DC Motors; Servo Motors.

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THE ONTARIO AEROSPACE CONSORTIUM Inc

ADDRESS: c/o Reil Industrial Enterprises Ltd
730 Gana Court
Mississauga, Ontario, Canada
L5S 1N1

CONTACT: Mr W H Reil - (416) 672-1070

HISTORY: The Ontario Aerospace Consortium is a group of Ontario aerospace companies whose primary purpose is to enhance the marketing of the aerospace products and services of its members to high-technology customers. The Consortium, which was founded in 1984 with the support of the Ontario Ministry of Industry, Trade & Technology, is an independent company owned by the member shareholders.

CAPABILITY: Consortium members collectively possess some of the most extensive engineering design and manufacturing capabilities in the aerospace industry in Canada. The Consortium is able to combine the flexibility and low overhead costs of a small company with the strength and capabilities of a much larger corporation. The Consortium's members are:

- ATG AEROSPACE INC - A wholly owned subsidiary of Israel Aircraft Industries, ATG Aerospace Inc was established to provide for the transfer of high-technology products to Canada through license arrangements and joint venture agreements which will eventually result in the establishment of a manufacturing facility.
- INDAL TECHNOLOGIES INC - Indal Technologies is a diversified Canadian company which manufactures and engineers a variety of mechanical, electro-mechanical, hydraulic and structural systems. The company is the world's leading supplier of shipborne helicopter recovery and support systems, telescopic helicopter hangars and hangar door systems.
- NYAB VICOM - NYAB VICOM is a producer of high quality machined components and assemblies for helicopters and a manufacturer of air and hydraulic equipment for railroads, and transit systems, as well as customized machine parts, synthetic fibers, nuclear components and special machinery.
- REIL INDUSTRIAL ENTERPRISES LTD - Reil Industrial Enterprises is involved in the custom precision machining of small