

Simulation=6, 7, 17, 20; Simulators=1, 15, 17, 18, 20; Software Development=17; PC Board Design & Fabrication=6, 7; Radar Simulation=15, 17; Real Time Graphics=17; Real Time=6; Real Time Control Systems=17; Real Time Monitor Systems=17; Simulation=6, 9, 17; Training=1, 3, 15, 20.

Revised: Dec 83

CAMETOID Ltd

Code: COD

Address: 1449 Hopkins Street
Whitby, Ontario, Canada L1N 2C2

Contact: Mr. D G Newman, President & General Manager
- (416) 666-3400

History: Cametoid Ltd is a Canadian owned metal finishing company specializing in high quality metal coatings for the aerospace, electronics, nuclear, and general defense industries. Cametoid was incorporated in 1950 and was originally owned by Dowty Equipment of Canada Ltd, aircraft undercarriage manufacturers. In 1968, Cametoid was bought by the Newman family of Whitby, Ontario, and is today a wholly owned subsidiary of Newman Aerospace Inc.

Capability: Cametoid has two divisions:

- *The Electroplating Division* - produces high quality electroplating of cadmium, copper, nickel, nickel-cadmium, silver, tin, and zinc; electroless nickel coatings; chemical films on aluminum and magnesium; phosphates on steel; passivation of stainless steel; black oxide coatings on copper, steel, and stainless steel; dry film lubricants of moly disulfide; and Dupont Teflon® sprayed coatings.

- *The "Vacuum Coating" Division* - established in 1982 and is one of the few facilities in the world capable of ion vapor deposition of aluminum (Ivadizing™) on large parts (narrow parts up to 14 ft long, and flat parts 5 ft x 10 ft) as well as on parts as small as aircraft fasteners. This facility is supplemented by an R&D laboratory working to expand the applications of ion vapor deposition and physical vapor deposition technology to a wide variety of materials for use in optics, electronics, and solar energy. Measurement abilities include photomicrography; beta-backscatter, magnetic, and eddy current thickness testing; radiography; Taber abrasion; and salt spray (fog) testing. This division also houses a new processing line for anodizing, hard anodizing and chromating of aluminum components up to 12 ft long x 4 ft wide.

Average Work Force: Chemists - 2.
Physicist - 1
Engineer - 1
Technologist - 1
Administrative - 5
Operators - 15

Gross Sales: \$1.0-\$3.0M (Annually)

Plant Size: 21,000 sq ft

Equipment: Cametoid employs a complete electroplating and vacuum coating facility with baking ovens, exhaust systems, and in-house water treatment plant. Also employed are two laboratories - one for process and one for research and development with associated test equipment. Certain production and test equipment is computer related.

Experience: Cametoid has more than 25 years of active sub-contract experience in dealing with the aerospace, electronic, nuclear and general defense industries in Canada and the

US. With most of these companies, it has been a long relationship as an approved vendor. Its principal customers include Air Canada; Bata Engineering; Bell Aerospace; Boeing; CAE Electronics; Canadair, Canadian General Electric; Cleveland Pneumatic; Computing Devices; DAF Indal; deHavilland; Department of National Defense; Devtek; Dowty Equipment; Fleet; Garrett; Grumman; Hawker Siddeley; Irvin; ITT Cannon; Kaman Aerospace; Leigh Instruments; Litton; Magna; Martin Marietta; McDonnell Douglas; Pratt and Whitney; Rolls Royce; Sikorsky; Spar Aerospace; and Sperry. In addition, the company serves a number of precision machine shops related to the aerospace industry in Toronto, Ottawa and Montreal.

Keywords: 1 = Aircraft; 2 = Armament; 3 = Avionics; 6 = Computers; 7 = Electronics; 8 = Energy; 9 = Environment; 10 = Image Processing & Optics; 12 = Machining; 13 = Missiles; 18 = Space Systems; 19 = Testing/Test Equipment; 20 = Miscellaneous; Thickness Testing = 19; Conductivity Testing = 19; Electroplating = 1, 2, 7, 8, 12, 13, 18, 20; Chemical Films = 1, 2, 7, 8, 12, 13, 18, 20; Dry Film Lubricants = 1, 2, 7, 8, 12, 13, 18, 20; Ion Vapor Deposition = 1, 6, 9, 10, 13, 18; Ion Plating = 1, 6, 9, 10, 13, 18; Anodizing = 1, 2, 7, 8, 12, 13, 18, 20; Salt Spray (Fog) Testing = 19; Taber Abrasion Testing = 19; Metal Finishing = 20; Hydrogen Embrittlement Relief = 19, 20; Repair & Overhaul = 20; Metal Coatings = 20; Protective Coatings = 20; Multilayer Coatings = 3, 7, 10, 13, 18; Optical Coatings = 10, 18; Teflon Coatings = 1, 6, 7, 12; Materials Processing = 20; Vacuum Coating = 1, 6, 9, 10, 13, 18; Hardness Testing = 19.

Revised: Dec 83

CANADA WIRE & CABLE Ltd

Code: CWC

Address: Corporate Office
250 Ferrand Drive
Don Mills, Ontario, Canada M3C 3J4

Contact: Mr H O Coish, VP Corporate Affairs - (416) 424-5110

History: Canada Wire & Cable Ltd is a diversified manufacturer operating businesses across Canada and the US, with partners in associated companies overseas. The company is a subsidiary of Noranda Mines Ltd and is involved either directly or through its subsidiaries and associates in the manufacture of electrical, electronic and communication wires and cables, plastic pipe and fittings, optical fiber cables and components, magnet wire, transformers, lighting, and other products.

Canada Wire was incorporated in 1911 and began producing cables for the fledgling electrical industry. By the mid-1920s, it had expanded its product line and located sales offices and warehouses across Canada. In 1929, Canada Wire & Cable Ltd amalgamated with Standard Underground Cable and began producing a wide range of power cables. During subsequent years, the company integrated its operations by building a copper rod mill to supply basic conductor material. They expanded to a full product range in the 1950s when they established specialized product plants in many parts of Canada. Export activity grew and, during the past two decades, led to joint venture businesses in several overseas countries. More recently, Canada Wire has diversified through the development of new products and the acquisition of companies in related industries.

Capability: Canada Wire is the largest wire and cable company in Canada and is ranked by industry sources as the second largest in North America, not including its overseas associates' operations. It is among the hundred largest Canadian companies.