

Much of the design and build work performed by W R Davis Ltd culminates with a test program. The company also analyzes, modifies and tests hardware provided by others. A comprehensive project involving protective masks is an example.

**AVERAGE WORK FORCE:** PhDs - 3  
Engineers - 25  
Others - 57

**GROSS SALES:** 1986/87 - \$6.0M  
1987/88 - \$9.0M

**PLANT SIZE:** Manufacturing - 23,000 Sq Ft  
Warehouse - 5,000 Sq Ft  
Office - 15,000 Sq Ft

**EQUIPMENT:** W R Davis' equipment includes:

- Test - Basic test equipment plus programmable data logger, mobile vehicle data acquisition systems (plus sensors). Use of external test facilities at Transport Canada Motor Vehicle Test Center, National Research Council, and Canadian Department of National Defense Naval Engineering, Land Engineering, and Quality Engineering Test Establishments.
- Electronic Laboratory - Electronics laboratory equipped for prototype and low quantity production and testing.
- Mechanical Shop - Equipped with the basics which include a full complement of welding equipment.
- Computing Facility - PDP-11/23, VAX 730 and Micro VAX plus a full complement of PCs (8) and peripherals (plotters, laser printers). External access to PDP 11/73, Honeywell CP6, IBM mainframe and CYBERS. In-house software includes Primavera, PrimaVision, ANSYS, Symphony, Micro Soft Fortran Compiler, Tango, Smart Work, DBase III, and the Harvard Project Manager.

**EXPERIENCE:** W R Davis' customers include the Canadian Department of National Defense, Transport Canada, the National Research Council of Canada, St John Shipbuilding Ltd (Canadian Patrol Frigate Program), Pratt and Whitney Canada (DDH-280 Destroyer Update Program), David Taylor Research Center (US re Active Shaft Grounding), International Ship Study Company (West Germany re NFR 90), Icelandic Harbor Authority (Iceland re Wave Analysis Equipment), KIA Motor Corporation (Korea re Automobile Test Services and Equipment), and Hyundai Motors (Korea re Automobile Test Services and Equipment).

**KEYWORDS:** Engineering Services; Product Development; Prototyping; Infrared Signature Suppression; Testing/Test Equipment; Military Vehicle Engineering; Shock/Vibration Analysis; Thermodynamics Analysis; Manufacturing; Welding; Electronic Fabrication; LED Technology; Mechanical Fabrication; Finite Element Analysis; Software Development; Component Militarization; Feasibility Studies; Turnkey Systems; Project Management; Technology Assessment; Human Engineering.

**REVISED:** February 88

## ZARGES AFC CANADA Ltd

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**CONTACT:** Mr Brent Rawlinson, President - (403) 287-1311

**HISTORY:** Zarges AFC Canada Ltd is a Calgary-based, Canadian-owned company incorporated in 1980.

**CAPABILITY:** Zarges specializes in the manufacture and distribution of custom cases, containers and transport systems for military and civilian applications. All manufacturing is to NATO standards.

**AVERAGE WORK FORCE:** Total - 20

**GROSS SALES:** No Data

**PLANT SIZE:** 7,000 Sq Ft

**EXPERIENCE:** Zarges products are currently in use with the Armed Forces of West Germany, Austria, Sweden, Italy, Canada, England, and the Netherlands. Cases are fabricated for electronics, medical equipment avionics, test and calibration equipment, optical, weapons, etc. Interiors can include special foam liners, aluminum dividers, tray, rack mounts and shock mount systems.

**KEYWORDS:** Armament (Cases); Cases (Custom); Custom Packaging; Packaging (Custom); Test Equipment (Cases); Medical Equipment (Cases); Instrumentation (Cases).

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