

**CAPABILITY:** Tower Aerospace Products Inc is primarily involved in the design and manufacture of aerospace accessory equipment. Presently under manufacturing license are emergency locator transmitters and helicopter accessories such as auxiliary fuel tanks, fire fighting systems and supplemental cargo racks. Also under license to manufacture are cockpit control panels.

**AVERAGE WORK FORCE:** Full Time – 3  
Aeronautical Eng Staff – 6 (Available on Subcontract)

**GROSS SALES:** 1986 – \$1.5M  
1987 – \$3.0M

**PLANT SIZE:** 25,000 Sq Ft

**EQUIPMENT:** Computerized international material sourcing system and electronic test equipment.

**EXPERIENCE:** Tower Aerospace Products Inc's present customers include – various departments in the Canadian Government and Canadian Armed Forces, Agusta Aviation Corp, McDonald Douglas, Hughes, and Helicopter Support Inc. Tower Aerospace Products Inc is interested in doing business with the USAF.

**KEYWORDS:** Aircraft Accessories; Emergency Locator Beacons; Aircraft Parts; Auxiliary Fuel Tanks; Fire Fighting Systems.

**REVISED:** March 88

## TRACKER INDUSTRIES Ltd

**ADDRESS:** 6A Tilbury Court, Unit #5  
Brampton, Ontario, Canada  
L6T 3T4

(Mailing Address)  
P. O. Box 1094, Station A  
Toronto, Ontario, Canada  
M5W 1G6

**CONTACT:** Mr Lou Fedyna, President – (416) 454-0891

**HISTORY:** Tracker Industries was established in 1974, to provide products and services associated with the use of electronic and computer systems. To date Tracker has concentrated on supplying technical services, designed products, and engineering to the automotive and aerospace industries. Tracker Industries Ltd is a privately owned, Canadian company.

**CAPABILITY:** Tracker provides custom design/integration/manufacture of electronic and computer circuits and systems that are used in real-time control and data acquisition environments, and SCADA applications.

Real-time control programming using assembly and high level languages has been implemented for industrial automation applications.

- Software Experience: Operating systems – UNIX, MS-DOS, OS-9; Languages – BASIC, APL, "C", FORTRAN, ADA, Motorola and Intel assembly; and Other – Manufacturing Automation Protocol (MAP).

- Hardware Experience: Mini/microcomputers – DEC, IBM, HP, Olivetti; Programmable Logic Controllers – GEC and Allen-Bradley; Magnetic and optical bar code readers, printers, and systems; Computer controlled security systems; Ruggedized portable computers; and Laser & fiber-optic communications devices.

- Present Activity: Industrial automation and SCADA systems.

**AVERAGE WORK FORCE:** Engineers/Programmers – 9  
Others – 4

**GROSS SALES:** 1986 – \$0.8M  
1987 – \$1.1M

**PLANT SIZE:** 3,000 Sq Ft

**EXPERIENCE:** Tracker Industries' clients include General Motors, McDonnell Douglas, Bell Helicopter, Boeing, and Federal & Provincial governments departments.

**KEYWORDS:** Aviation Software; Build-To-Print; Consulting; Control Systems; Data Acquisition; Computers; Laser Communications; Microcomputers; Software Development; Software Services; Systems Intergration.

**REVISED:** February 88

## TRIDEX SYSTEMS Inc

**ADDRESS:** 20 Colonnade Road, Suite #105  
Nepean, Ontario, Canada  
K2E 7M6

**CONTACT:** Dr Cedric V W Armstrong, President – (613) 727-5255

**HISTORY:** Tridex is a privately owned, federally incorporated, Canadian corporation founded in 1979. Tridex is committed to solving computationally-intensive problems for industrial, military and government clients with excellent price/performance ratios. Tridex's expertise over a number of years in an industrial setting has been applied to the development of the Tridex 4432 parallel processing system produce line – a system with unique features providing unparalleled performance for specific computationally-intensive applications.

**CAPABILITY:** Tridex's series of parallel processors, the Tridex 4432 parallel processing system product line, has an excellent price/performance ratio. It is specifically targeted at such computationally-intensive application areas as:

- Circuit simulation and fault simulation in PCB and IC design
- Structural analysis
- Real-time, computationally-intensive process control
- Real-time, high reliability expert systems
- Multi-target tracking and related radar signal processing functions

The product line is a complete solution consisting of hardware, software, customer support and education which satisfies the needs of the various customers in these markets.

The Tridex 4432 product line includes: Tridex 4432/4 Parallel Processor Systems providing 10 MIPS of high-speed computing; and Tridex 4432/16 Parallel Processor System providing 316 MIPS of near supercomputer speed.

Tridex's parallel processing strategies have resulted in high performance and high reliability computer systems. This involves real-time tasks running in parallel on different processing modules (PMs), loosely connected by high speed busses. The interconnection structure used is termed a spanning bus hypercube. The distributed operating system has proven linearity in performance, and employs message-oriented parallel processing at the task level.

Tridex has the unique distinction of commitment to the most innovative high-speed processing, fault tolerance and real-time performance applied to both the Tridex product line and the specific needs of the client.

Tridex's team of computer scientists provides many years of innovation and expertise in computer system design, implementation and testing in both hardware and software. Highly computationally intensive and algorithms requiring high throughput and fast response time have been designed to run in parallel on Tridex's computer systems.