

SIMTRON Ltd

Code: SIM

Address: 494 The Queensway, Unit #1
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Contact: Mr. W Czechowski – Contracts – (705) 743-6903

History: Simtron Ltd was formed in 1976 to design, manufacture and service electronic products for the communications, air, maritime and ground transportation markets. In 1982, Simtron Ltd was acquired by Dowty Equipment of Canada Ltd. Dowty specializes in the design, development, manufacturing, certifications testing and overhaul of landing gear, flight control systems and related aerospace and marine equipment.

Capability: Simtron's activities are divided into three major areas:

Aerospace – The design and manufacture of aircraft subsystems and black boxes. This is typified by the microprocessor-based "steer-by-wire" equipment presently in production for the standard equipment on the Canadair Challenger 601, and the deHavilland Dash 8 aircraft. Simtron is approved to DND-1016 levels which have direct equivalency to MIL-Q-9858.

Multiplex Alarm Systems – Simtron has developed a data acquisition system called Multiplex 490 alarm system that represents a major improvement over existing equipment in the market place. Systems are now installed and working in several major Canadian locations. Ongoing R&D and development activities are proceeding on this equipment.

Build to Print – Simtron is engaged in building-to-print for a number of large corporations. Built products include printed circuit board assembly, wire harnessing, cabinet assembly, test equipment and testing. The in-house engineering capability enables Simtron to offer redesign and substitution services on subcontract work.

Average Work Force: R&D – 3
Engineers – 2
Technicians – 1
Production – 59
Others – 9

Gross Sales: 1980 – \$0.69M
1981 – \$0.81M
1982 – \$1.24M
1983 – \$2.50M

Plant Size: 10,000 sq ft (capability to expand to 25,000 sq ft)

Experience: See Capability Section.

Keywords: 1 = Aircraft; 7 = Electronics; 19 = Testing/Test Equipment; Landing Gear Steering Systems = 1; Steer By Wire Systems = 1; Data Acquisition = 7; Build To Print = 7; PC Board Fabrication = 7; Test Equipment = 19; Specialized Test Equipment = 19; Wiring Harness Fabrication = 7; Cabinets = 7; Cabinet Testing = 7, 19.

Revised: Dec 83

SLACAN Division of Slater Steel Industries Ltd

Code: SLA

Address: 681 King St W
Hamilton, Ontario, Canada L8N 3E7

Contact: Mr. Wendell MacDonald, Manager OEM Sales – (416) 528-8888

History: Slacan was incorporated in the Province of Ontario in 1962.

Capability: Slacan is an operating division of Slater Steel Industries Ltd with its head office and manufacturing facilities located in Hamilton, Ontario. They are the largest Pole Line Hardware manufacturer in Canada, providing more than 2,000 different items for the electrical, transmission and communications markets. The division's product lines are engineering orientated. They claim a reputation for excellence of design, high quality of manufacture, and long service in the field. Their business areas of interest are – aluminum castings, steel forgings, and steel stampings. They operate under quality control levels outlined in CSA Z299.3 and under Military Specifications MIL-C-6021, Class 2A, 2B Grade B and D for castings. Specific capabilities are outlined below:

Aluminum Castings – permanent mold up to 50 pounds; sand mold up to 150 pounds; Feron, CO₂ and shell cores; and material poured 125, 135, 234, 432, 6377, Almag 35, B226, A357, etc. Reference: All aluminum castings for the ballistic fire control computer developed by Computing Devices for the US Army M-1 main battle tank.

Stampings/Steel – a total of 85 units comprised of open back inclines to 135 ton capacity, straight sided single action presses to 200 ton capacity, double acting deep draw to 300 ton punch and 200 ton blank holder capacity, hydraulic brakes to 400 ton capacity with 14 ft bed including 2 ft horn. The above equipped with air clutches, brakes and cushions.

Average Work Force: Total – 250

Gross Sales: No Data

Plant Size: 190,000 sq ft (manufacturing area)

Equipment: Slacan maintains the following equipment:

Forging Equipment – Four board hammers up to 2,000 pounds capacity; One electro-hydraulic hammer 4,000 pounds capacity; One forging press 700 tons capacity; Three hot headers 2" capacity; One hot header 1.5" capacity; and various trim presses and furnaces.

Finishing Equipment – Machining limited, however, includes milling, turning, drilling, threading and tapping. Other facilities include welding, cleaning, painting, hot dip galvanizing, heat-treating (Steel and Aluminum), and tool engineering.

Experience: No specific information was given on experience except for Slacan's work with Computing Devices Co (Aluminum castings for the ballistic fire control computer for the M-1 main battle Tank). Customers include private industries in the US and Canada.

Keywords: 12 = Machining; Castings = 12, Aluminum Castings = 12; Stamping = 12; Steel Stampings = 12; Forgings = 12; Steel Forgings = 12.

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SPARTON OF CANADA Ltd

Code: SOC

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