

AVERAGE WORK FORCE: PhDs - 2
Engineers - 4
Others - 24

GROSS SALES: 1987 - \$2.5M
1988 - \$4.0M

PLANT SIZE: 8,500 Sq Ft

EQUIPMENT: DEC VAX 11/780, Micro VAX (3), CAD Workstation (3), Flow Soldering & Board Stuffing, Temperature Cycling and other, Electronic Test facilities, and Optical Disks (6 types).

EXPERIENCE: KOM was recently awarded a contract to integrate optical disks for the storage of mechanical drawings on all US Navy ships. Other significant contracts for optical disk storage from E I Dupont, General Electric Aerospace (Utica, NY), Grumman Aerospace (Long Island), Norwegian Army, European Space Agency, Texas Instruments (Dallas), and Shell Oil (Houston).

KEYWORDS: Optical Disk; Archive; Mass Storage; DEC; VAX; UNIX; RSX11-M Plus.

REVISED: March 88

KOSS MACHINE & TOOL CO

ADDRESS: 1765 Shawson Dr, Units 7 & 8
Mississauga, Ontario, Canada
L4W 1N8

CONTACT: Mr Dragomir Cajic, President - (416) 678-7236

HISTORY: Koss Machine & Tool Co was started in 1975 as a general machine shop and incorporated in 1976. The company ventured into defense and aircraft industry associated work in 1978 which today comprises 80% of their work. The company is a division of 333 111 Ontario Ltd.

CAPABILITY: Koss Machine is involved in milling and lathe operations primarily involved with defense and aerospace related work. The CNC milling operation has a working travel of up to 20x40 inches and a vertical space up to 29.75 inches. Tolerances can be held to 0.0003 inch. A new Makino machine center is operational. It exhibits X, Y, Z axis lengths of 75.5, 27.5, and 23.6 inches, respectively.

Lathe operations are carried out with both CNC and conventional machines with maximum swing of 24 inches, maximum cross travel of 9.75 inches, and a maximum machining length of 21.5 inches. A quality assurance manual (quality level to DND 1016/MIL-I-45208) has been prepared.

AVERAGE WORK FORCE: Machinists - 18
Quality Control - 2
Production Control - 1
Administrative - 4

GROSS SALES: 1986 - \$0.9M
1987 - \$1.1M

PLANT SIZE: 6,600 Sq Ft

EQUIPMENT: Koss' equipment includes CNC machines, vertical milling machines, engine lathes, turret lathes, and other assorted equipment associated with machining operations.

EXPERIENCE: Contractor approvals have been afforded by Canadair Ltd, the deHavilland Aircraft of Canada Ltd, and McDonnell Douglas.

KEYWORDS: CNC Machining; Injection Molding Tools; Machining; Precision Machining; Tooling.

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LAVALIN Inc

ADDRESS: 90 Sparks Street, Suite #330
Ottawa, Ontario, Canada
K1P 5B4

CONTACT: Mr Bernard Charbonneau, Vice President, Defence Projects (613) 232-3511

HISTORY: Lavalin Inc is a wholly-owned Canadian Corporation engaged in engineering, manufacturing, procurement and construction management. It was founded in 1936, with a head office in Montreal and offices across Canada and in several countries around the world. It has completed projects including turnkey projects in more than ninety countries worldwide.

CAPABILITY: The Lavalin Group is involved in studies, planning, engineering, procurement, project management, construction, manufacturing, training and technical assistance in military, government and industrial projects. It draws resources from approximately eighty-five group divisions and associate companies offering technology in aerospace and air transportation, both military and civil. Two of these divisions are Aeronautics Canada Inc and UTDC Inc.

Aeronautics Canada offers an integrated line of services regarding operations, technical assistance and expertise related to commercial air transport, passenger and cargo services, at national and international levels; engineering and maintenance of equipment with facilities located at the Montreal International Airport (Dorval) capable of handling stretch aircraft, and include an avionics overhaul and repair shop; technical supervision and project management services, specialized qualifications courses and technical training; civil aviation administration including administration systems, air traffic control services, airports and air navigation aids; the Helicopter division offers complete services in the rotorcraft sector, including operations, technical assistance, training, procurement and sale/purchase services.

UTDC is a leading supplier of ground transportation systems, ground handling equipment and services. In addition to transportation systems research and development, UTDC offers complete services for the development, training, operation and maintenance of efficient revenue services on behalf of the clients. UTDC designs and manufactures light rapid transit, as well as conventional and articulated light rail, heavy rail, and computer rail transit systems. It is currently engaged in the supply of heavy military trucks for the Canadian Armed Forces and is bidding on a large USAF requirement for aircraft cargo loaders.

AVERAGE WORK FORCE: Engineers & Other
Professionals - 2,500
Technicians - 1,500
Others - 2,000

GROSS SALES: 1986 - \$500M +
1987 - \$600M (Est'd)

PLANT SIZE: 170,000 Sq Ft (UTDC)
65,000 Sq Ft (Aeronautics Canada)

EQUIPMENT: UTDC can provide complete developing, testing, research and development programs, engineering and design and manufacturing capabilities. Facilities are located in Thunder Bay and Kingston, Ontario. In-house computer systems include mainframe VAX and DEC system, CAD facilities, IBM, Aries II computer system and PDP central processing units.

EXPERIENCE: Present customers include various departments within the Canadian Government and industries in both Canada and the US:

- Department of National Defence - Heavy Logistics Vehicle Wheeled System (\$250M Cdn); Life Skills Education Program; Design, development and presentation of an Advanced Avionics course.

- Oerlikon Aerospace - Construction Radar Manufacturing Plant, St-Jean, Quebec.