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**QUEBEC
AEROSPACE
1985**

VOLUME 5

**SPECIALTY
PRODUCTS AND
REPAIR AND
OVERHAUL
SERVICES**



Canada

**QUEBEC
AEROSPACE
1985**

VOLUME 5

**SPECIALTY
PRODUCTS AND
REPAIR AND
OVERHAUL
SERVICES**

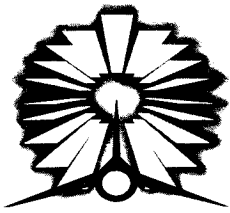


Regional Industrial
Expansion

Expansion industrielle
régionale

ISBN 0-662-13839-2 (Set)
Cat. No. C29-3/1-1985





QUEBEC : WORLD-CLASS AEROSPACE CAPABILITIES

The Quebec aerospace manufacturing industry has an outstanding range of capabilities, from research, design and development to testing and production of sophisticated hardware and systems. It also excels in after-sales support, field service and in-plant repair and overhaul of aircraft, engines and components. From manipulator arms used in orbital operations to air and ground-based avionic systems, there is little that the Quebec aerospace industry cannot do.

It is a dynamic and technologically advanced industry which, through specialization, has developed products that fly on hundreds of different aircraft worldwide.

Quebec is home to over 100 manufacturers of aircraft components, systems, sub-assemblies and accessories. They supply items such as electronic sub-systems, fuel control systems, wiring, structural elements, landing gear, communications systems, safety systems, navigation equipment, temperature control systems, aircraft interior finishing, hydraulic systems and control systems.

What these companies have in common is their ability to meet on time the exacting quality standards associated with aerospace products.

They employ over 27,000 people and in just four years, from 1979 to 1983, their sales more than doubled. Actual sales of more than \$ 1.9 billion in 1983 are forecast to climb to over \$ 3.0 billion (1982 dollars) in four years. The industry is an important Canadian exporter of advanced technology products and services : fully 70 percent of its total sales in 1983 were exported.

A golden opportunity for procurement specialists

Nowhere is the old slogan "Purchasing Makes Money" more appropriate than in the aerospace sector.

The successful buyer is always looking for new qualified sources capable of delivering quality products on time and at the best possible price.

Quebec Aerospace 1985 will introduce you to a remarkable group of such suppliers, about one hundred in fact, who offer the complete spectrum of aerospace products and services. Several of them will be familiar to you ; others may not. Therein lies an opportunity for the astute buyer to build up his or her pool of qualified sources.

For ease of reference, this book is divided into five separate sections tailor-made for specialty procurement.

Volume 1 is an alphabetical listing of companies with a short description of each.

Volumes 2 to 5 group companies by specialization and contain more specific data, such as capabilities, equipment and quality standards as well as a list of major customers. The specializations are :

Vol. 2 **Systems and Subsystems**

Vol. 3 **Precision Machining and Finishing**

Vol. 4 **Precision Investment Castings**

Vol. 5 **Specialty Products and Repair and Overhaul Services**

Some companies appear more than once ; the table on page 4 shows which company is found in which volume. Finally, at the back of Volume 1 is a reply coupon for ordering extra copies of **Quebec Aerospace 1985**.

Quebec Aerospace 1985 will be periodically updated. To ensure that you receive the amendments as well as to order additional copies just fill in the reply coupon or write to :

Government of Canada
Department of Regional Industrial Expansion
800 Victoria Square
P.O. Box 247
Montreal, Quebec
H4Z 1E8
Attn. : Director, Transportation Industries Branch



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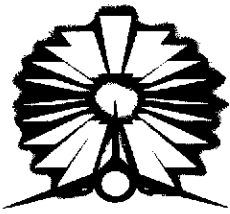
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| Air Canada | | • | | • |
| Aircom Electronics | • | | | • |
| Air Ground Equipment | | • | | • |
| Alta Precision | | • | | |
| Aluminum Foundry & Pattern Works | | | • | |
| Arell Machining | | • | | |
| Aviatech | • | | | • |
| Avions Pierre Robin | • | | | • |
| A.W.S.M. Enterprises | • | • | | • |
| B & D Machine Products | | • | | |
| Bell Helicopter Textron | • | | | • |
| Bendix Avelex | | • | | • |
| Bomem | | | | • |
| CAE Electronics | | | | • |
| Canadair | • | • | | • |
| Canadian Marconi | • | • | | • |
| Casey Copter Accessories | • | | | • |
| Cercast (1979) | | | • | |
| C.F.H. Industries | | | | • |
| Circo Craft Co. | • | | | |
| Claro Precision | | • | | |
| C.P.S. Industries | | • | | |
| Eastern Precision Casting | | | • | |
| Ferndale Industries | | • | | |
| Filzmoser Industries | | • | | |
| Flexibulb 1983 | | • | | • |
| Gentner | | • | | • |
| Godfrey Howden | | • | | • |
| Gordy Tool & Die Works | | • | | |
| Harbour Industries (Canada) | | | | • |



| Company | Vol. 2 | Vol. 3 | Vol. 4 | Vol. 5 |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| Harrington | | ● | | |
| Héroux | ● | ● | | ● |
| Hochelaga Workshops | | ● | | |
| Howmet Thermatech Canada | | ● | | ● |
| Innotech Aviation | ● | | | ● |
| International Cutting Tools | | | | ● |
| J.E. Lortie Co. | | | | ● |
| Joly Engineering | | ● | | ● |
| Leesta Industries | | ● | | |
| Lego Plating Industries | | ● | | ● |
| Leigh Navigation Systems | | ● | | ● |
| Lucas Industries Canada | ● | | | ● |
| Macot Grinding Works | | ● | | |
| M.D.M. Precision | | ● | | |
| Mesotec | | ● | | |
| Metcor | | ● | | ● |
| Metro Machining Corporation | | ● | | |
| Micron Automatic Products | | ● | | |
| Modelerie Aero | | ● | ● | |
| Montreal Precision Crafting Co. | | ● | | ● |
| M.P.B. Technologies | | | | ● |
| Nav-Aids | | | | ● |
| Noorduyn Norseman | ● | | | ● |
| Normand Co. | | | | ● |
| Norprecision | | ● | ● | |
| Optimus | | | | ● |
| Patenaude Industries | | ● | | ● |
| Pierre Thibault Truck | | | | ● |
| Plastal | ● | | | ● |
| Pole Air Aviation | | | | ● |
| Pratt & Whitney Canada | ● | ● | | ● |
| Preci-Can | | ● | | |
| Preci-Finishing | | ● | | ● |

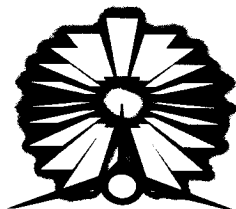


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| Precimax | | ● | | ● |
| Profab Industries | | ● | | ● |
| Quebec Gear Works | | ● | | ● |
| Quéloz & Associés | | ● | | |
| Remtec | | | | ● |
| Robco | | ● | | ● |
| Robert Mitchell | | ● | ● | ● |
| Rolls-Royce (Canada) | ● | ● | | ● |
| Sermatech Canada | | ● | | |
| Shellcast Foundries | | | ● | |
| Sider-Tech | | ● | | |
| S.I.D.O. | | ● | | |
| Silonex | | | | ● |
| S.O.M.R. | | ● | | |
| Spar Aerospace | ● | ● | | ● |
| Steel Treaters of Quebec | | ● | | |
| St-Louis Aviation | | | | ● |
| Supreca | | | ● | |
| Technimeca | | ● | | |
| Techniprodec | | ● | | |
| Trident Industries | | ● | | |
| Triplex Engineering Co. | | ● | | |
| T.W. Manufacturing | | ● | | |
| UDT Industries | | ● | | |
| Ultravia Aero | ● | | | ● |
| Usinage Netur | | ● | | |
| Vac-Aero International | | ● | | ● |
| Vestshell | | | ● | |
| Victoria Precision Works Co. | | ● | | |
| Wall Colmonoy (Canada) | | ● | | ● |
| Walter Canada | | | | ● |



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AIR CANADA

P.O. Box 10,000
Dorval International Airport
Dorval, Que.
H4Y 1C1

Contact: Pierre Jeannot, President &
Chief Exec. Officer

Telephone: (514) 636-2404

Telex: 06-217537

PRODUCTS, SERVICES, SPECIALITIES

Repair and overhaul of aircraft and aircraft engines.

QUALITY STANDARDS

DND: 1015, 1017, AQAP-1
COMMERCIAL: FAA-FAR 43.17
OTHERS: M.O.T.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)
Milling
Boring
Honing
Profiling
Drilling

Sheet Metal
Gear Cutting
Internal Grinding
External Grinding
Surface Grinding
Plasma Spray

MAJOR CLIENTS

Saudi Arabian Airlines
Trinidad & Tobago Int'l Airlines
Canadian Pacific (CP Air)
Eastern Provincial Airways

Nordair
Air Jamaica
Mto-Moturen Und Turbinen-Union
United Parcel Service

EMPLOYEES (1983) 4,000

SALES (1983) From \$50 to \$100 million



AIRCOM ELECTRONICS LTD.

9325 Ryan Street
P.O. Box 515
Dorval International Airport
Dorval, Que.
H4Y 1B3

Contact: Robert Lessard, President
Telephone: (514) 636-3878
Telex: 05-822663

PRODUCTS, SERVICES, SPECIALITIES

Manufacture high frequency radio products (HF single side band radio, universal headset tester, portable Navaid test sets and portable communication centres). Provides sales and service for various avionic equipment manufacturers.

QUALITY STANDARDS

OTHERS : M.O.T.

MAJOR CLIENTS

Canadair
Canadian Pratt & Whitney
Air Canada
Eastern Provincial Airways
Quebecair
Department of National Defence (Canada)
Nordair
Ceda

EMPLOYEES (1983) 9

SALES (1983) From \$1.0 to \$1.5 million



AIR GROUND EQUIPMENT INC.

420 Edouard Street
Granby, Que.
J2G 3Z3

Contact: Jos Schirch, President
Marcel Aubin,
Sec.-Treas. and Buyer
Telephone: (514) 378-8107

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Machining of small gears and clusters, shafts, instruments, small aluminum castings and other precision parts for electrical navigation instruments.

QUALITY STANDARDS

DND: 1016
MIL: C-45662 A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Turnex DA-4000-1 Precision Lathe Chucker (2) 2 Axes
Mori-Seiki SL-38 Lathe 2 Axes
OKK MCV-300 Vertical Spindle Machining Centre 4 Axes
OKK MCV-410 Vertical Machining Centre 4 Axes
Mitutoyo Co-Ordinate Measuring Machine
Picomm Co-Ordinate Measuring Machine

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|-------------------------|----|
| Turning (Lathe) | 6 | Gear Cutting | 10 |
| Milling | 5 | Internal Grinding | 1 |
| Boring | 1 | Surface Grinding | 1 |
| Honing | 1 | | |

MAJOR CLIENTS

| | |
|-------------------|----------------------|
| GE (Pittsfield) | Canadian Marconi Co. |
| Simmonds | Menasco |
| Raytheon Canada | Leigh (Instrument) |
| CAE | Sperry Vickers |
| Aviation Electric | Bell Helicopter |

EMPLOYEES (1983) 24

SALES (1983) From \$0.5 to \$1.0 million



AVIATECH INC.

2400 Guenette Street
Ville St-Laurent, Que.
H4R 2H2

Contact: Maurice Jagucki, President
Telephone: (514) 335-0166
Telex: 05-824946

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of aircraft seats, crew and passengers seats, bar and meals trolleys, galley inserts. Vacuum forming and some composite lay-ups in carbon, boron and kevlar epoxies.

QUALITY STANDARDS

COMMERCIAL: M.O.T., FAA, DHC, Canadair

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|------------------------|----|
| Turning (Lathe) | 1 | Sheet Metal | 18 |
| Milling | 6 | Surface Grinding | 1 |
| Drilling | 3 | | |

MAJOR CLIENTS

| | |
|---------------------------|------------|
| Canadair | Air Canada |
| De Havilland Aircraft | Dornier |
| Canadian Pacific (CP Air) | Dassault |
| Pacific Western Airlines | Lockheed |
| Wardair | Nordair |
| Innotech | EPA |
| Quebecair | |

EMPLOYEES (1983) 50

SALES (1983) From \$1.5 to \$5.0 million



AVIONS PIERRE ROBIN INC.

430 Aero Parc
P.O. Box 430
Lachute, Que.
G8H 3X9

Contact: J. Lecrivain, President
Telephone: (514) 562-2235
Telex: 05-839626

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of single engine sport aircraft and fabricator of aircraft assemblies.

MAJOR CLIENTS

Has own dealer network.

EMPLOYEES (1983) 13

SALES (1983) Under \$0.5 million



A.W.S.M. ENTERPRISES LTD.

3905 Leman Blvd.
St-Vincent-De-Paul, Laval, Que.
H7E 4V7

Contact: Raymond B. Dery, President
Normand Alarie, Vice-President
Telephone: (514) 661-9140

PRODUCTS, SERVICES, SPECIALITIES

Machine shop for aircraft components, ground equipment and sheet metal. Also does aircraft seats, metal stamping, tools, dies, welding, mooring equipment for ships.

QUALITY STANDARDS

DND: 1015
MIL: 45208A
OTHERS: CSA-Z299-3

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

OKK-500 CNC 4 Axes
Hardinge Auto. Chucker Electronic Programming
TOS Chucker Electronic Programming

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|------------------------|---|
| Turning (Lathe) | 5 | Profiling | 1 |
| Milling | 8 | Drilling | 4 |
| Honing | 1 | Surface Grinding | 1 |

MAJOR CLIENTS

| | |
|----------------------------------|--------------------------|
| Boeing of Canada | Canadair |
| Garrett | Canadian Pratt & Whitney |
| Rolls-Royce Canada | GE (Pittsfield) |
| McDonnell Douglas Canada (McAir) | Teleflex Morse |
| Menasco | |

EMPLOYEES (1983) 60

SALES (1983) From \$1.5 to \$5.0 million



BELL HELICOPTER TEXTRON LTD.

3100 Côte Vertu
Room 460
St-Laurent, Que.

Contact: Jim Schwalbe, President
Sam McQuerns, Vice-President,
Purchasing

Telephone: (514) 333-7040

PRODUCTS, SERVICES, SPECIALITIES

Manufacturing of the Bell 400 model, a state-of-the-art light-twin helicopter.

QUALITY STANDARDS

F.A.A.
M.O.T.

MAJOR CLIENTS

Major corporations, governments of the world.

EMPLOYEES/SALES (To be operational in 1985)



BENDIX AVELEX INC.
(formerly Aviation Electric Ltd.)

200 Laurentian Blvd.
 P.O. Box 2140
 St-Laurent, Que.
 H4L 4X8

Contact: Ken Kivenko, President
 John Beaven, Director-Marketing
Telephone: (514) 744-2811
Telex: 05-826688

PRODUCTS, SERVICES, SPECIALITIES

World's largest producer of fuel control systems for small gas turbine engines. Also a world leader in the design and manufacture of military ground systems. Operates one of the largest repair and overhaul facilities in Canada. Also able to perform electronic assembly, automatic test and system reliability.

QUALITY STANDARDS

DND: 1015, 1016, 1017, Transport Canada, NATO, AQAP-1
MIL: 9858A, 45208A

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

McAuto D 1000C
 Racal-Redal MDS-003-01
 McAuto MI 2000 DNC System (4CNL Machines)
 Numeritronix Exec 1501 DNC System (1 CNC Machine)
 McAuto Uniapt Programming System on DEL PDP 11/34

NUMERICAL CONTROL MACHINE TOOLS

SIP 3K-CN Jig Borer
 Warner & Swasey 1AB Auto-Lathe 3 way control
 Warner & Swasey O-AB Auto-Lathe (2) 3 way control
 Cleereman J53 Machining Centre 3 Axes
 K&T-Cleereman J53-30 Machining Centre (2) 3 Axes
 Leblond Tape-Turn Lathe 2 Axes
 Hardinge HNC Lathe 2 Axes
 Sundstrand Omni-Mill OMI Machining Centre (3) 3 Axes
 Brown & Sharpe 1500VC Machining Centre 3 Axes
 Sundstrand Omni-Mill OMI Machining Centre 4 Axes
 Hardinge CHNC Lathe 2 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|---|
| Milling | 3 | Internal Grinding | 1 |
| Honing | 3 | External Grinding | 4 |
| Drilling | 48 | Surface Grinding | 5 |
| Thread Grinding | 2 | | |

MAJOR CLIENTS

Department of National Defence (Canada)
 Canadian Pratt & Whitney
 Air Canada
 De Havilland Aircraft
 Canadair
 Standard Aero Engine

EMPLOYEES (1983) 850

SALES (1983) From \$50 to \$100 million



BOMEM

625 Marais Street
Vanier, Que.
G1M 2Y2

Contact: Henri L. Buijs, President
Garry L. Vail,
Vice-President & Gen. Mgr.
Telephone: (418) 683-1707
Telex: 051-3438

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture analytical and remote sensing Fourier transform infrared spectrophotometers (FTIR).

QUALITY STANDARDS

COMMERCIAL: CSA 299.3

EMPLOYEES (1983) 40

SALES (1983) From \$1.5 to \$5.0 million



CAE ELECTRONICS LTD.

8585 Cote de Liesse
P.O. Box 1800
St-Laurent, Que.
H4L 4X4

Contact: N.B. Cavadias, President
D. Tait, Vice-President,
Tech. Dev. and Sales

Telephone: (514) 341-6780

Telex: 05-824856

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture of civil and military simulators for fixed and rotary wing aircraft as well as for space vehicles and nuclear application. Control systems for nuclear and hydroelectric power generating plants.

QUALITY STANDARDS

DND: 1015, 1016, 1017

MIL: 9858A, 45208A

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Auto-Trol

Varian 620-L-100 Digital Computer

4010-19 In. Tetronic CRT

800 BP Pertec Magnetic Tape

Flatbed 6031 Plotter

Remex Punched Tape Reader

NUMERICAL CONTROL MACHINE TOOLS

Leblond Tape-Turn Regal 2 Axes

Browne & Sharpe Tape Drill (2) 2 Axes

Gardner-Denver Wire-Wrap Model 14-YA-1 (3) 2 Axes

Strippit-Houdaille Fabri-Centre 1000 2 Axes

Mazak V-12 Machining Centre 3 Axes

Excellon XL-3 4 Spindle Drill 2 Axes

Hartford Engraver 2 Axes

CS-400A Component Locator

MAJOR CLIENTS

Canadair

Canadian Pacific (CP Air)

Eastern

TWA

Mexicana

Department of National Defence
(Canada)

United Airlines

KLM

Swissair

Boston Edison

Florida Light & Power

EMPLOYEES (1983) 1,550

SALES (1983) From \$100 to \$150 million



CANADAIR LTD.

1800 Laurentian Blvd.
P.O. Box 6087, Station A
St-Laurent, Que.
H3C 3G9

Contact: G.S. Bennett, President
Telephone: (514) 744-1511
Telex: 05-826747

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of aircraft, airborne surveillance drones, proprietary design and subcontracting.

QUALITY STANDARDS

DND: 1015, 1016, 1017

MIL: 9858A, 45208A

COMMERCIAL : FAA, FAR, PART 21 and equivalent D.O.T. Ing. & Insp.

OTHERS: NATO, AQAP-1

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

IBM 3251 Cadam Work Stations (10)

IBM 3081 G Main Frame

NUMERICAL CONTROL MACHINE TOOLS

Tape-O-Matic Single-Spindle Drill, Model A (2) 2 Axes

Milwaukee-Matic Series EA Machining Centre 3 Axes

Milwaukee-Matic Series EB Machining Centre (2) 3 Axes

Warner & Swasey No. 2AB Single Spindle Bar Auto (3) 3 Axes

Cincinnati Profile & Contour Gantry-Type Mills (6) 5 Axes

Cincinnati CIM-X-220 (2) 2 Axes

Kearney & Trecker Model III Milwaukee-Matic (3) 5 Axes

Warner & Swasey SC-28 Turret Lathe M-4530 2 Axes

Kearney & Trecker 814-3S-3 Spindle Profiler (3) 3 Axes

Devlieg Jigmill SK-144 2 Axes

Cincinnati No. 3 Model D-E (2) 2 Axes

Eaton-Leonard Tube Bending System (2)

Warner & Swasey SC15 Turret Lathe 2 Axes

L&F Sheridan Gray Stretch Forming Machine 3 Axes

Ingersoll CNC 3-Spindle Gantry Type Profiler 3 Axes

Kearney & Trecker MM200 Machining Centre (5) 4 Axes

Gerber NIC Drafting Machine 3 Axes

Sheridan-Gray CNC Roll Forming CR. CNC-4 3 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|----|
| Turning (Lathe) | 66 | Thread Rolling | 1 |
| Milling | 69 | Thread Grinding | 4 |
| Boring | 16 | Internal Grinding | 2 |
| Honing | 5 | External Grinding | 10 |
| Profiling | 13 | Surface Grinding | 17 |
| Drilling | 44 | Tool Grinding | 19 |

MAJOR CLIENTS

Department of National Defence (Canada)
Governments of the world, major corporations

EMPLOYEES (1983) 4,800

SALES (1983) From \$350 to \$400 million



CANADIAN MARCONI COMPANY

2442 Trenton Ave.
Montreal, Que.
H3P 1Y9

Contact: P.E. Wheatley, President
W. Baillie, Vice-President
and Dir. of Markets

Telephone: (514) 341-7630

Telex: 05-827822

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of avionic systems, marine and land communication systems, telecommunication systems, injection molded parts. Also is a machine and sheet metal shop. Does printed wiring boards (double side and multilayer), microelectronics (hybrids), power systems, displays.

QUALITY STANDARDS

DND: 1015, 1016, 1017, NATO AQAP-1

MIL: 9858A, 45208A

COMMERCIAL: FAA, FAR 21

PRECISION MACHINERY

ROBOTICS:

GCA DK P-300V Robot with Cimroc Control, drills holes and inserts alignment pins

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Ditmco-Model 8212 Bare Printed Wiring Board Tester

PC-800 Gerber Digit. HP 1000 Comput. Art Work (4)

Redac Syst. PDP 11Z4 Comput. Art Work Generat. (2)

Gerber Plotters Art Work Generation (2)

NUMERICAL CONTROL MACHINE TOOLS

Edlund-Matic 2NL Machining Centre 2 Axes

K&T Milwaukee-Matic Series EB 3 Axes

Warner & Swasey Wiedematic Punch S-2540

Bridgeport NC Milling Machine 2 Axes

Bridgeport CNC Series 1 (2) 3 Axes

Kearney & Trecker MM 180 3 Axes

OKK-CNC Matic 11 MCV-500 Centre 4 Axes

Mori Seiki SL-4 CNC Lathe 2 Axes

Hardinge CHNC-16 Lathe 2 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)

Milling

Boring

Honing

Profiling

Drilling

Sheet Metal

Internal Grinding

External Grinding

Surface Grinding

MAJOR CLIENTS

Sperry Vickers

Litton Systems Canada

Nordair

Raytheon Canada

Canadair

Hughes Aircraft Co.

Sikorsky Aircraft Corp.

Lockheed

Magnavox

G.E.C.

EMPLOYEES (1983) 2,700

SALES (1983) From \$250 to \$300 million



CASEY COPTER ACCESSORIES LTD.

511 Lepine Street
P.O. Box 121
Montreal, AMF, Dorval, Que.
H4Y 1A5

Contact: A.J. Casey, President
M.J. Casey, Vice-President
Telephone: (514) 636-6155
Telex: 05-821574

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of aircraft heating and air conditioning systems.

QUALITY STANDARDS

OTHERS: AQAP-1

MAJOR CLIENTS

Department of National Defence (Canada)

EMPLOYEES (1983) 13

SALES (1983) From \$1.0 to \$1.5 million



C.F.H. INDUSTRIES LTD.

103 Gun Ave.
Pointe-Claire, Que.
H9R 3X2

Contact: Robert Robichaud, President
Rene Gagnon, Manager

Telephone: (514) 694-3980

Telex: 05-821609

PRODUCTS, SERVICES, SPECIALITIES

Assembler of aircraft parts. Does repair and overhaul of avionic systems, repairs of automatic dry chemical fire extinguishing systems and automatic fire prevention systems.

QUALITY STANDARDS

DND: 1015, OTAN AQAP-1

MIL: 9858A, P-16232-F

COMMERCIAL: CTC H-Test Facilities

OTHERS: M.O.T.

MAJOR CLIENTS

Department of National Defence (Canada)

Air Canada

Pacific Western Airlines

Hydro-Quebec

EMPLOYEES (1983) 30

SALES (1983) From \$1.5 to \$5.0 million



FLEXIBULB 1983 INC.

1820 Brebeuf Street
Trois-Rivières, Que.
G8Z 2A5

Contact: Jeannot Bourassa, President
Gilles Dufresne, Vice-President
and Prod. Dir.

Telephone: (514) 374-9250

PRODUCTS, SERVICES, SPECIALITIES

ABS polyurethane, polycarbonate, acrylic and glass-filled nylon parts for aerospace use.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport CNC Series I

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|-------------------------|---|
| Turning (Lathe) | 2 | Drilling | 1 |
| Milling | 2 | Internal Grinding | 1 |

MAJOR CLIENTS

Canadair
Bombardier
GM
Prevost

EMPLOYEES (1983) 35

SALES (1983) From \$0.5 to \$1.0 million



GENTNER INC.

8710 Le Creusot
St-Léonard Industrial Park
Montréal, Québec
H1P 2A7

Contact: Roger F. Gentner, President
Telephone: (514) 321-3680
TWX: 610-421-3301

PRODUCTS, SERVICES, SPECIALITIES

Precision machining shop, machining, finishing and assembling of precision parts for aircraft engines, gear box housings, spacecraft, impellers, etc. Design and manufacture of space and naval microwave telecommunication components and sub-assemblies for military and civil applications.

QUALITY STANDARDS

DND: 1015
MIL: C45662A

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING SYSTEMS

Hewlett Packard Model 85 Computer
Hewlett Packard 9836 Computer System
Hewlett Packard Hard Disk Memory Model 9134A
Hewlett Packard Model 7225B Graphic Plotter
Hewlett Packard Model 82905B Impact Printer
DS1 Mylar Punch Reader
Fanuc System P-Model D Computer System
General Electric Time Sharing
Mitutoyo "Coordinate Measuring Machine" Model B241 "CMM"

COMPUTER AIDED INSTRUMENTATION

Wiltron Model 560 Scalar Microwave Network Analyser
Wiltron Model 610D Microwave Sweep Generator

NUMERICAL CONTROL MACHINE TOOLS

Excello 3 axis Vertical Machining Center Model 602 (3)
Kuraki 4 axis Vertical Machining Center Model KV-1000
Mitsui Seiki Simultaneous 4-axis Horizontal Machining Center
Model HR5B
Mitsui Seiki Simultaneous 5-axis Horizontal Machining Center
Model HR5B Special

MAJOR CLIENTS

| | |
|------------------------------------|----------------------------|
| Bell Helicopter Textron | Canadian Arsenals |
| Raytheon Company | British Columbia Telephone |
| Spar Aerospace Division | Manitoba Telephone |
| Pratt & Whitney Aircraft of Canada | Saskatchewan Telephone |
| Canadair | Cegelec Industrie |
| Canadian Marconi Company | KHD Canada |
| CERCOM | Teleglobe Canada |
| Northern Telecom | Hydro-Québec |

EMPLOYEES (1983) 22

SALES (1983) From \$1.0 to \$1.5 million



GODFREY HOWDEN INC.

480 Montreal-Toronto Blvd.
Lachine, Que.
H8S 1B8

Contact: William S. Hodges, President
L.C. Gillespie, Vice-President

Telephone: (514) 637-1122

Telex: 05-821568

PRODUCTS, SERVICES, SPECIALITIES

Design, manufacture and repair and overhaul work on hydraulic and pneumatic test stands. Manufacturing, sales and servicing of aircraft air conditioning, pressurization systems and ground support equipment.

QUALITY STANDARDS

DND: 1015, AQAP-1

OTHERS: M.O.T.

MAJOR CLIENTS

Department of National Defence (Canada)

EMPLOYEES (1983) 111

SALES (1983) From \$5.0 to \$10.0 million



HARBOUR INDUSTRIES (CANADA) LTD.

460 Normandie Blvd.
Farnham, Que.
J2X 1W4

Contact: John G. Heaslip, President
Mark Beauchamp,
Vice-President Sales

Telephone: (514) 293-5304
Telex: 05-267686

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of aircraft wire and cable for high temperature applications.

QUALITY STANDARDS

DND: 1016, 1017

MIL: W(16878-22759-81381-8777-27300), C(27500-27072-7078)

COMMERCIAL: Z 299.3 (CSA)

MAJOR CLIENTS

CAE
Canadian Marconi Co.
Spar Aerospace
Leigh (Instruments)
Computing Devices

EMPLOYEES (1983) 16

SALES (1983) From \$1.5 to \$5.0 million



HEROUX INC.

755 Thurber Street
Longueuil, Que.
J4H 3N1

Contact: Sarto Richer,
President and Gen. Mgr.
Emile Desnoyer,
Marketing Director

Telephone: (514) 679-5450

Telex: 055-60630

PRODUCTS, SERVICES, SPECIALITIES

Aircraft engineering, design and overhaul of landing gear, actuators, valves, cylinders, general precision machining, metal finishing and electroplating.

QUALITY STANDARDS

DND: 1015, 1016, AQAP-1-2

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Milwaukee-Matic Series EA Machining Centre 3 Axes

Milwaukee-Matic Series EB Machining Centre 3 Axes

Rambaudi Universal Mill 3 Axes

Leblond Lathe (2) 2 Axes

TUS FQH50A-P4 Machining Centre (2) 3 Axes

VDF Turning Centre PNE 480L 2 Axes

Profile Mill 3 Axes

Dainichi M-95 2 Axes

Milwaukee-Matic Series E Machining Centre 3 Axes

Milwaukee VB-4 Machining Centre CNC 3 Axes

Milwaukee-Matic 180 Machining Centre Horizontal 3 Axes

Warner & Swasey CNC Model 2SC 15 (2) 2 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|----|
| Turning (Lathe) | 23 | Drilling | 16 |
| Milling | 20 | Internal Grinding | 5 |
| Boring | 4 | External Grinding | 10 |
| Honing | 10 | Surface Grinding | 6 |
| Profiling | 8 | Grinders (Cutter) | 14 |

MAJOR CLIENTS

Canadair

De Havilland Aircraft

McDonnell Douglas Canada (McAir)

Boeing of Canada

Grumman Aerospace

US Air Force

US Navy

EMPLOYEES (1983) 300

SALES (1983) From \$10 to \$50 million



HOWMET THERMATECH CANADA INC.

1381 Ampere Street
Boucherville, Que.
J4B 6C5

Contact: D. Squier, President
Louis P. Gosselin, Plant Mgr.

Telephone: (514) 641-2150

PRODUCTS, SERVICES, SPECIALITIES

Metal coating and maintenance of turbine components.

QUALITY STANDARDS

COMMERCIAL: P&W, GE, D.O.T.

MAJOR CLIENTS

CGE (Canadian General Electric)
Canadian Pratt & Whitney
Air Canada
Canadian Westinghouse

EMPLOYEES (1983) 40

SALES (1983) From \$0.5 to \$1.0 million



INNOTECH AVIATION LTD.

455 Michel Jasmin Ave.
International Airport Dorval, Que.
H9P 1C2

Contact: Victor R. Bennett, President
W.R. Price, Vice-President

Telephone: (514) 636-8484

Telex: 05-822879

PRODUCTS, SERVICES, SPECIALITIES

General aviation sales, modifications, maintenance, repair and overhaul of aircraft.
Interior completion, etc.

QUALITY STANDARDS

DND: 1015, 1016

COMMERCIAL: DOT 3-60

MAJOR CLIENTS

Major corporate customers

EMPLOYEES (1983) 510

SALES (1983) From \$50 to \$100 million



INTERNATIONAL CUTTING TOOLS INC.

10833 Place Moisan
Montreal-North, Que.
H1G 4N6

Contact: Alphonse Minicozzi, President
Auguste Minicozzi,
Vice-President

Telephone: (514) 324-3720

Telex: 05-828658

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture of special quality cutting tools to customer specifications and requirements. Minicut and NFR cobalt cutters.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Huffman HS-4 CNC End Mill Grinder 8 Axes
Huffman HS-5 CNC End Mill Grinder (2) 5 Axes
Haro Polytronic 550 Grinder 3 Axes
Mori Seiki SL-5 CNC Lathe
Bohle Flutemaster UF 50 Milling Machine 3 Axes
Wysbrod NC66 Vertical Milling Machine 3 Axes

MAJOR CLIENTS

| | |
|---------------------------------|--------------------------|
| Boeing of Canada | Gates Learjet |
| Rohr | Canadair |
| Lockheed | Menasco |
| CGE (Canadian General Electric) | McDonnell Douglas Canada |

EMPLOYEES (1983) 80

SALES (1982) From \$1.5 to \$5.0 million



J.E. LORTIE CO. LTD.

9880 Parc-Georges
Montreal-North, Que.
H1H 4X8

Contact: Michel Lortie, President
Telephone: (514) 327-3100
Telex: 05-829627

PRODUCTS, SERVICES, SPECIALITIES

Manufacturing and development of specialized returnable transit containers for avionics and aircraft parts.

QUALITY STANDARDS

DND: 1017, NATO AQAP-9
COMMERCIAL: ATA 300

MAJOR CLIENTS

Air Canada
Canadian Pacific (CP Air)
Nordair
Wardair
Canadian Marconi Co.

R.O.R. Assoc.
Northern Telecom
Falcon Jet Corp.
Mitel Corp.

EMPLOYEES (1983) 50

SALES (1983) From \$1.5 to \$5.0 million



JOLY ENGINEERING LTD.

8960 Park Ave.
Montreal, Que.
H2N 1Y8

P.O. Box 358, Stn. Youville
Montreal, Que.
H2P 2V5

Contact: Philippe Joly, President
Louis Joly, Vice-President

Telephone: (514) 387-6281

Telex: 05-827641

PRODUCTS, SERVICES, SPECIALITIES

High precision gear systems and intricate components for aerospace, electronics, armaments and petrochemicals industries, nuclear.

QUALITY STANDARDS

DND: 1015, 1016, 1017

MIL: 9858A, 45208A

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Fanuc Numerical Control

NUMERICAL CONTROL MACHINE TOOLS

Milwaukee-Matic EB Machining Centre 3 Axes

Leblond Tape Turn IV Turning Centre

Vertimatic VMC 660 Machining Centre 4 Axes

Kearney & Trecker 200/600 Machining Centre 4 Axes

Swedturn 14 SMT Turning Centre

HNC Hardinge Super Precision Chucker (2)

CHNC Hardinge Super Precision Bar & Chucking Machine

Milwaukee-Matic 200 Machining Centre 4 Axes

White Sundstrand Omni-One 5 Axes

Swedturn-10 SMT Turning Centre

HXL Hardinge Super Precision Turning Centre

SMT Pullmax ST-10 Lathe

Dixi 350 ATC High Precision Jig Bore, Machining Centre 5 Axes

Wahli Minor Matic 50 Jig Bore 5 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|---|
| Turning (Lathe) | 61 | Thread Grinding | 2 |
| Milling | 16 | Internal Grinding | 2 |
| Boring | 6 | External Grinding | 8 |
| Honing | 3 | Surface Grinding | 5 |
| Drilling | 27 | Gear Grinding | 4 |
| Gear Cutting | 30 | | |

MAJOR CLIENTS

Litton Systems Canada
Canadian Pratt & Whitney

Rolls-Royce Canada

Menasco

Sperry Vickers

Hughes Aircraft Co.

Canadair

McDonnell Douglas Canada (McAir)

Sikorsky Aircraft Corp.

Learjet Electronics

Rockwell International

Martin-Marietta Corp.

GE (Pittsfield)

General Dynamics Manufacturing

Bendix Corp.

Teledyne Hydra Power

Centronics Data Computer Corp.

Raytheon Canada

Department of National Defence (Canada)

Williams Research Corp.

Lear Seigler

Union Carbide

EMPLOYEES (1983) 165

SALES (1983) From \$5.0 to \$10.0 million



LEGO PLATING INDUSTRIES LTD.

6890 Couture Blvd.
St-Leonard, Que.
H1P 2W6

Contact: Richard Lee, President
Emma Quon, Vice-President

Telephone: (514) 323-4131

PRODUCTS, SERVICES, SPECIALITIES

Electroplating for chrome, cadmium, copper, tin, electroless nickel, nickel, bronze, phosphate, passivate, silver.

QUALITY STANDARDS

DND: 1015

COMMERCIAL: Boeing, Sikorsky, Fairchild, McDonnell Douglas Aircraft, CAE, Grumman, Rolls-Royce, Canadair, De Havilland.

MAJOR CLIENTS

| | |
|---------------------------|----------------------|
| Menasco | Heiplex |
| Canadair | Hochelaga Workshop |
| Westheights Mfg. | Ideal Equipment |
| Dowty Equipment of Canada | Imperial Tobacco |
| Anderson Metal Ind. | Joly Engineering |
| Aviation Electric | Macot Grinding Works |
| Cegelec Ind. | Vicom |
| Chicopee Mfg. | Wilson Machine Co. |
| Continental Can of Canada | Aero Machining |
| Diemaco | Boeing of Canada |
| Harrington | C.P.S. Industries |

EMPLOYEES (1983) 34

SALES (1983) From \$0.5 to \$1.0 million



LEIGH NAVIGATION SYSTEMS LTD.

7 Bovis Ave.
Pointe-Claire, Que.
H9R 4W3

Contact: Richard Prytula, President
M. Benzaquen, Marketing Mgr.

Telephone: (514) 695-8130

Telex: 05-821529

PRODUCTS, SERVICES, SPECIALITIES

Designing, manufacturing and marketing mobile and fixed air traffic control (ATC) tower systems, 909E communications switch systems, radio spectrum monitoring systems, runway lighting systems and custom systems.

QUALITY STANDARDS

DND: 1015, 1016
MIL: 9858A, 45208A

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)
Boring
Drilling

Sheet Metal
Surface Grinding

MAJOR CLIENTS

Governments of the world

EMPLOYEES (1983) 27

SALES (1983) From \$1.5 to \$5.0 million



LUCAS INDUSTRIES CANADA LTD. (AEROSPACE DIV.)

5595 Royalmount Ave.
Town of Mount-Royal, Que.
H4P 1J9

Contact: R.J. Moore, Gen. Mgr.
P.J. Van Roon,
Eng. and Tech. Sales Mgr.

Telephone: (514) 735-1536

Telex: 055-61115

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture gas turbine fuel pumps and controls, hydraulic controls, actuators and overhaul service for engine fuel pumps and accessories, DC starters, starter generators, DC and AC generators and regulators, air valves, LP air starters, alternators, ignition units, relays and industrial engine accessories.

QUALITY STANDARDS

DND: 1015

MIL: 9858A

COMMERCIAL: D.O.T. (FAA Rep. in Canada)

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Fanuc 61 Control

NUMERICAL CONTROL MACHINE TOOLS

Monarch VMC-75 Machining Centre 4 Axes

Nakamura Tome Model TMC-3B (Lathe) 2 Axes

Edlund 2 NL 15 Spindle

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|---|
| Turning (Lathe) | 13 | External Grinding | 8 |
| Milling | 6 | Surface Grinding | 2 |
| Honing | 3 | Lapping | 4 |
| Drilling | 7 | | |

MAJOR CLIENTS

Canadian Pratt & Whitney

Boeing of Canada

McDonnell Douglas Canada (McAir)

Avco-Lycoming

GE (Pittsfield)

Lockheed

Canadair

De Havilland Aircraft

Rolls-Royce Canada

Department of National Defence (Canada)

US Military

EMPLOYEES (1983) 104

SALES (1983) From \$5.0 to \$10.0 million



METCOR INC. (MONTREAL METAL HEAT TREATING CO.)

10600 Second Street
Industrial Park
Ville D'Anjou, Que.
H1J 1B2

Contact: Ivan Roch,
President and Gen. Mgr.
Real Lafreniere, Vice-President
Telephone: (514) 353-1500
Telex: 05-828835

PRODUCTS, SERVICES, SPECIALITIES

Heat treating services for aerospace industries, including induction hardening, controlled atmosphere (CO₂) hardening, stress relieving, melonite carburizing and case hardening processes.

QUALITY STANDARDS

DND: 1015
MIL: H-6875

MAJOR CLIENTS

| | |
|----------------------------------|--------------------------|
| Boeing of Canada | Canadian Pratt & Whitney |
| McDonnell Douglas Canada (McAir) | De Havilland Aircraft |
| Canadair | GM |
| Menasco | |

EMPLOYEES (1983) 49

SALES From \$1.5 to \$5.0 million



MONTREAL PRECISION CRAFTING CO. LTD.

797 Lajoie Street
Dorval, Que.
H9P 1G7

Contact: Jerry Mancini, President
Tony Mancini, Vice-President
Telephone: (514) 636-0825

PRODUCTS, SERVICES, SPECIALITIES

Precision and general machining, aircraft tooling and machining, custom-built machinery.

QUALITY STANDARDS

COMMERCIAL: P&W, CIL, Noranda Research, Dept. of Transport.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|----|
| Turning (Lathe) | 4 | Gear Cutting | 11 |
| Milling | 4 | Internal Grinding | 11 |
| Boring | 10 | External Grinding | 4 |
| Honing | 1 | Surface Grinding | 1 |
| Drilling | 1 | | |

MAJOR CLIENTS

| | |
|--|------------------------------------|
| Canadian Pratt & Whitney | Bell Canada |
| Noranda Research | Northern Telecom |
| Noram Quality Control | Beloit Canada |
| C.X.A. | Nordair |
| CIL | Montreal Neurological Institute |
| Turbo Blast | H.G. Kalish Co. |
| Department of National Defence (Canada) | Universal Telecommunication System |
| Forest Engineering Research Institute | |

EMPLOYEES (1983) 15

SALES (1983) Under \$0.5 million



M.P.B. TECHNOLOGIES INC.

1725 North Service Rd.
Trans Canada Hwy
Dorval, Que.
H9P 1J1

Contact: Dr. M.P. Bachynski, President
F.G.R. Warren, Vice-President

Telephone: (514) 683-1490

Telex: 05-823509

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of laser (infra-red, etc.) and assorted products, microprocessors of high quality graphics, special purpose radars, special instrumentation of experimental systems (avionics).

QUALITY STANDARDS

COMMERCIAL: High Commercial

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Intel MDS Systems (3)
Emulogic MDS System
PDP 11/23 + Computer and 7 Terminals
Data Lyne to Cyber Computer

MAJOR CLIENTS

Hughes Aircraft Co.
Radio Canada
Teleglobe
Hydro-Quebec

EMPLOYEES (1983) 47

SALES (1983) From \$1.5 to \$5.0 million



NAV-AIDS LTD. (CANADIAN AERONAUTICAL INSTRUMENTS)

2955 Diab Street
Montréal, Que.
H4S 1M1

Contact: John E. Gilday, President
Margaret C. Hodge,
Vice-President

Telephone: (514) 332-3077

Telex: 05-824233

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture of ground support equipment for aircraft and air data test equipment. Manufacture of Aeroquip aircraft hose assemblies and distributor of Aeroquip fittings. Manufacturer of altitude indicators and airport minima reminders.

QUALITY STANDARDS

DND: 1017

PRECISION MACHINERY CONVENTIONAL MACHINE TOOLS

Drilling
External Grinding

MAJOR CLIENTS

Boeing of Canada
McDonnell Douglas Canada (McAir)
Lockheed
De Havilland Aircraft
Canadair
Sikorsky Aircraft Corp.
Grumman Aerospace

Airbus Industries
Department of National Defence (Canada)
US Air Force
British Aerospace
R.A.A.F.
S.A.A.B.
Major airlines in western world

EMPLOYEES (1983) 5

SALES (1983) From \$0.5 to \$1.0 million



NOORDUYN NORSEMAN INC.

P.O. Box 5, Station O
6200 Henri-Bourassa Blvd. W.
St-Laurent, Que.
H4R 1C3

Contact: Austin Latremouille, President
Earle Latremouille,
Vice-President & Gen. Mgr.
Telephone: (514) 334-3210

PRODUCTS, SERVICES, SPECIALITIES

Aircraft sheet metal work, cables, repair and overhaul work. Specialize in galleys, galley equipment, cargo handling equipments.

QUALITY STANDARDS

DND: 1016
OTHERS: D.O.T.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|------------------------|----|
| Turning (Lathe) | 5 | Drilling | 3 |
| Milling | 3 | Sheet Metal | 19 |
| Honing | 1 | Surface Grinding | 5 |

MAJOR CLIENTS

Canadair
Air Canada
Air Jamaica

Eastern Provincial Airways
Quebecair

EMPLOYEES (1983) 35

SALES (1983) From \$0.5 to \$1.0 million



NORMAND CO. LTD.

340 12th Street
P.O. Box 608
St-Pascal, Kamouraska, Que.
G0L 3Y0

Contact: Victor Normand,
Vice-President & Gen. Mgr.
Telephone: (418) 492-2712

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of airport baggage carts.

QUALITY STANDARDS

COMMERCIAL: Air Canada

MAJOR CLIENTS

Air Canada
Canadian Pacific (CP Air)
Pacific Western Airlines
Eastern Provincial Airways

Hudson General Aviation Services
Quebecair
Nordair

EMPLOYEES (1983) 34

SALES (1983) From \$1.5 to \$5.0 million



OPTIMUS LTD.

1300 St-Patrick Street
Montreal, Que.
H3K 1A4

Contact: Bernard Bilodeau, President
Telephone: (514) 931-6061

PRODUCTS, SERVICES, SPECIALITIES

Specialized inspection and testing services, N.D.T. etc.

QUALITY STANDARDS

MIL: T-6866, 453

COMMERCIAL: PWC, McAir, MDC, Canadair, Boeing, Bell Helicopter, Kaman
Aerospace, Bendix, Sikorsky, Grumman, etc.

MAJOR CLIENTS

Canadian Marconi Co.
Menasco
Aviation Electric
Canadair

Joly Engineering
Spar Aerospace
CAE

EMPLOYEES (1983) 7

SALES (1983) Under \$0.5 million



PATENAUDE INDUSTRIES INC.

10794 Lajeunesse Street
Montreal, Que.
H3L 2E8

Contact: Jacques Patenaude, President
Danielle Patenaude,
Vice-President

Telephone: (514) 384-0540

PRODUCTS, SERVICES, SPECIALITIES

Precision profiling and profile milling. Manufacturer of aircraft parts, assemblies, tooling and sculptured metal.

QUALITY STANDARDS

DND: 1015, 1016
MIL: 9858A, 45208A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport Series I CNC 3 Axes
OKK MCV-800 Machining Centre 4 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-----------------|----|
| Turning (Lathe) | 1 | Profiling | 10 |
| Milling | 12 | | |

MAJOR CLIENTS

Grumman Aerospace
McDonnell Douglas Canada (McAir)
Canadian Pratt & Whitney

De Havilland Aircraft
Menasco
Canadair

EMPLOYEES (1983) 50

SALES (1983) From \$0.5 to \$1.0 million



PIERRE THIBAUT TRUCK INC.

Thibault Street
P.O. Box 210
Pierreville, Yamaska, Que.
J0G 1J0

Contact: Carl Thibault, President
Telephone: (514) 568-3336
Telex: 055-61144

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of fire trucks for airports.

QUALITY STANDARDS

DND: 1017

PRECISION MACHINERY

CONVENTIONAL

Drilling

EMPLOYEES (1983) 135

SALES (1983) From \$5.0 to \$10.0 million



PLASTAL INC.

476 Edouard Street
Granby, Que.
J2G 3Z3

Contact: Mike E. Artus, President
Telephone: (514) 866-3223
Telex: 05-832579

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacturing of composite parts, thermo-formed plastic for aircraft parts, plastic anti-corrosion equipment, sky domes, tanks, piping and tooling, aircraft windows, canopies and other transparencies.

QUALITY STANDARDS

DND: 1016

MIL: NATO AQAP-4

COMMERCIAL: CGSB

OTHERS: D.O.T. QC Manual for specific products

MAJOR CLIENTS

Canadair
Canadian Pratt & Whitney
CAE

McDonnell Douglas Canada (McAir)
De Havilland Aircraft
Innotech

EMPLOYEES (1983) 25

SALES (1983) From \$1.0 to \$1.5 million



POLE AIR AVIATION INC.

2290 46th Ave.
Lachine, Que.
H8T 2P3

Contact: P. Sarrazin, President
Jacques Thibault, Sales Mgr.

Telephone: (514) 636-8154

PRODUCTS, SERVICES, SPECIALITIES

Small shop repairing, overhauling, testing and calibrating aircraft instruments, starters, generators, inverters.

QUALITY STANDARDS

OTHERS: D.O.T.

MAJOR CLIENTS

Canadair
Canadian Pratt & Whitney
Rolls-Royce Canada

De Havilland Aircraft
Quebecair

EMPLOYEES (1982) 12

SALES (1982) From \$0.5 to \$1.0 million



PRATT & WHITNEY CANADA INC.

1000 Marie-Victorin Blvd. E.
P.O. Box 10
Longueuil, Que.
J4K 4X9

Contact: Elvie L. Smith, Chairman & Chief
Executive Officer
L. David Caplan, President &
Chief Operating Officer

Telephone: (514) 677-9411

Telex: 05-267509

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of aerospace and industrial gas turbine engines and parts for aircraft and helicopters.

PRECISION MACHINERY

CAD/CAM COMPUTER-ASSISTED PROGRAMMING CAPABILITY

IBM Cadam Computer Graphics System
IBM Catia Computer Graphics System
MDSI Compact II N.C. Processors

NUMERICAL CONTROL MACHINE TOOLS

| | |
|--|---|
| Devlieg 'Jigmill' 3H48 (2) 2 Axes | Maho MHC-900-K/P Milling & Boring Machine 3 Axes |
| Devlieg 'Jigmill' 4K60 2 Axes | Maho MH-800-P Milling & Boring Machine 3 Axes |
| Sundstrand OM2 Omnimill (9) 4 Axes | Maho MH1000C 3 Axes |
| Sundstrand OM1 Omnimill (4) 5 Axes | Sciaky Tig Welder 4 Axes |
| Sundstrand VLO9 Vertical Lathe 2 Axes | Bosto-Matic Machining Centre 5 Axes |
| Pratt & Whitney Tape-O-Matic C (3) 2 Axes | Sundstrand OM1 Omnimill 4 Axes |
| Pratt & Whitney Tape-O-Matic B 2 Axes | Leybolo-Heraeus E.3.Welder 2 Axes |
| Brown & Sharpe Model A Turr-E-Tape 2 Axes | |
| Onsrud AF 36 Profile Mill 3 Axes | |
| Max Mueller MDW10 Lathe (3) 2 Axes | |
| V.D.F. V-800 Turning Machine (3) 2 Axes | |
| V.D.F. V-800 Turret Lathe (5) 2 Axes | |
| V.D.F. PNE-480 Turret Lathe (6) 2 Axes | |
| V.D.F. PNE-710F Turret Lathe (7) | |
| V.D.F. DN570 Lathe 2 Axes | |
| Leblond Tape Regal Lathe 2 Axes | |
| Leblond 12/12 Lathe (9) 2 Axes | |
| Leblond Tape Turn IV Lathe (2) 2 Axes | |
| Leblond 12/12 Mark II Lathes (7) 2 Axes | |
| Strippet Fabriccenter 40/30 Punch Press | |
| Kearney & Trecker Milwaukee Matic 180 (2) 3 Axes | |
| HS4 Huffman Cutter Grinder 8 Axes | |
| Blohm Grinder (2) 2 Axes | |
| Cincinnati Milacron 10VC-1250 VMC 3 Axes | |
| Brown & Sharpe VC 1000 4 Axes | |
| Brown & Sharpe 1500 VC 3 Axes | |
| Warner & Swasey 2SC/15 Chucker 2 Axes | |
| VDF 480 Turret Lathe (3) 2 Axes | |
| VDF DN820 CNC Lathe | |
| Weldon Model APG 1632 Profile Grinder | |
| SIP 8000-65 CNC 3 Axes | |

MAJOR CLIENTS

World aerospace market

EMPLOYEES (1983) 6,500

SALES (1983) From \$500 to \$550 million



PRECI-FINISHING LTD.

5790 Vanden Abeele
St-Laurent, Que.
H4S 1R9

Contact: Brian Millward, Vice-President
Brian Stocks,
Vice-President Finance

Telephone: (514) 333-7616

PRODUCTS, SERVICES, SPECIALITIES

Specification finishing, plating and painting.

QUALITY STANDARDS

DND: 1016, AQAP-4
MIL: 45208A

MAJOR CLIENTS

Canadian Marconi Co.
Northern Telecom
Murata Erie

Canadian Pratt & Whitney
Rolls-Royce Canada
E Systems

EMPLOYEES (1983) 30

SALES (1983) From \$1.5 to \$5.0 million



PRECI-TECH LTD.

4150 Poirier Blvd.
Ville St-Laurent, Que.
H4R 2A5

Contact: R. Grunwald, President
Telephone: (514) 337-9732
Telex: 05-824248

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of mechanical, computer, communication and aircraft components.

QUALITY STANDARDS

DND: 1015

MIL: 45208A

COMMERCIAL: Hydraulic overhaul and oil lubrication nozzles.

PRECISION MACHINERY

CAD/CAM COMPUTER-ASSISTED PROGRAMMING CAPABILITY

MDSI Compact II Series I

NUMERICAL CONTROL MACHINE TOOLS

Sip-MP3KNC Jig Borer 2 Axes
Edlund 2 NL VMC 2 Axes
Cincinnati CIM-X Changer 30MC 3 Axes
Cincinnati CIM-X Changer 720 MC 3 Axes
Moog 83-1000 VMC (2) 3 Axes
Bridgeport Series I-MC (3)
OKK-MCV-300 (2) 3 Axes
Cincinnati Universal 12/20 X 54 TC 2 Axes
Hardinge HNC Chucker (2) 2 Axes
Mori Seiki TL5A TC 2 Axes
Mori Seiki SL3A TC (3) 2 Axes
Sodick A3C EDM Centre 3 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|-------------------------|---|
| Turning (Lathe) | 6 | Thread Grinding | 1 |
| Milling | 7 | Internal Grinding | 1 |
| Boring | 2 | External Grinding | 4 |
| Honing | 1 | Surface Grinding | 4 |
| Drilling | 8 | | |

MAJOR CLIENTS

McDonnell Douglas Canada (McAir)
Canadian Pratt & Whitney
Zeiss
Canadair
Air Canada
Bausch & Lomb

Canadian Marconi Co.
E Systems
International Laser Systems
Irvin Industries
Litton Systems Canada
Rolls-Royce Canada

EMPLOYEES (1983) 100

SALES (1983) From \$1.5 to \$5.0 million



PRECIMAX LTD.

2140 Maislin Street
Lasalle, Que.
H8N 2L8

Contact: S. Stefanovic Sr., President
S. Stefanovic Jr., Vice-President
Telephone: (514) 365-5440

PRODUCTS, SERVICES, SPECIALITIES

Custom-built parts for aircraft, tool and dies.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

One digital read-out for 1 lathe machine and 2 milling machines.

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|-------------------------|---|
| Turning (Lathe) | 3 | Internal Grinding | 1 |
| Milling | 2 | Surface Grinding | 1 |
| Sheet Metal | 2 | Balancing Machine | 1 |

MAJOR CLIENTS

| | |
|--------------------|--------------------------|
| Balancemat | Canadian Pratt & Whitney |
| Condor-Litho | Unigear Industries |
| Pulmac Instruments | Benson & Hedges |
| Kruger | Cyanamid of Canada |
| Northern Telecom | Robertson Whitehouse |
| Rolls-Royce Canada | |

EMPLOYEES (1983) 5

SALES (1983) Under \$0.5 million



QUEBEC GEAR WORKS LTD.

2975 De Miniac Street
Ville St-Laurent, Que.
H4S 1E5

Contact: Dali Singh, President
S. Singh, Vice-President

Telephone: (514) 334-5381

Telex: 05-825645

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop, specialized in high quality gears and ground support such as radars/antennas.

QUALITY STANDARDS

DND: 1015, 1016, 1017

MIL: 9858A, 45208A

COMMERCIAL: Bombardier & Westinghouse Transit Specifications.

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Commfile

TRS-80 (4)

NUMERICAL CONTROL MACHINE TOOLS

Mori Seiki SL-6

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)

Milling

Boring

Honing

Profiling

Drilling

Gear Cutting

Internal Grinding

External Grinding

Surface Grinding

Gear Grinding

MAJOR CLIENTS

Westinghouse Transportation Div.

Westinghouse Defence Systems

Hewitt Robins Ind.

Aba Electromechanical

Hoechst Fibers Ind.

Deister Machine Co.

EMPLOYEES (1983) 35

SALES (1983) From \$1.5 to \$5.0 million



REMTEC INC.

933 Simard Street
Chambly, Que.
J3L 4L9

Contact: Peter Roberts, President
Fred Warren,
Vice-President Marketing
Telephone: (514) 658-6671
Telex: 055-61653

PRODUCTS, SERVICES, SPECIALITIES

Tank trucks, aircraft refuellers.

QUALITY STANDARDS

DND: 1015, 1016, 1017

MAJOR CLIENTS

Department of National Defence (Canada)
Port authorities of New York and New Jersey
Major petroleum companies

EMPLOYEES (1983) 60

SALES (1983) From \$10 to \$50 million



ROBCO INC.

5600 Philippe Turcot Street
Montreal, Que.
H4C 1V7

Contact: J.B. MacDonald, President
W.D. Bradley, Gen. Mgr.

Telephone: (514) 937-9151

Telex: 05-566149

PRODUCTS, SERVICES, SPECIALITIES

Manufactures mechanical sealing rings and precision-machined parts in high temperature alloys and other metals.

QUALITY STANDARDS

DND: 1015, 1016,

MIL: 45208A

COMMERCIAL: P&W, Rolls-Royce, Avco Lycoming, Bell Helicopter.

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

MDSI 150 Compact II

NUMERICAL MACHINE TOOLS

Jones & Lawson 4515B Chucker (2) 2 Axes

Leblond 24 Regal Lathe 2 Axes

Rambaud Miniram Machining Centre 3 Axes

Mazak 4L Chucker (3) 2 Axes

Mazak 5L Chucker 2 Axes

Mazak V5 Machining Centre 3 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|-------------------------|----|
| Turning (Lathe) | 8 | Drilling | 5 |
| Milling | 8 | External Grinding | 2 |
| Boring | 3 | Surface Grinding | 12 |
| Honing | 2 | | |

MAJOR CLIENTS

Avco-Lycoming
Canadian Pratt & Whitney
Rolls-Royce Canada

EMPLOYEES (1983) 20

SALES (1983) From \$1.0 to \$1.5 million



ROBERT MITCHELL INC.

350 Decarie Blvd.
P.O. Box 950
St-Laurent, Que.
H4L 4W5

Contact: G.H. Holland, President
P.E. Dostie, Vice-President Sales
Telephone: (514) 747-2471
Telex: 05-825669

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of airport passenger ramps, service vehicles, castings and assemblies for aircraft.

QUALITY STANDARDS

DND: 1015, 1016, NATO AQAP-1-2
MIL: 9858A, 45208A, 3171 C, Magnesium
COMMERCIAL: CSA Z-299.2
OTHERS: D.O.T.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Behrens Turret Punch Press NC-25/40/24 2 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|----|
| Turning (Lathe) | 27 | Sheet Metal | 59 |
| Milling | 10 | External Grinding | 1 |
| Drilling | 20 | Surface Grinding | 2 |

MAJOR CLIENTS

GE (Pittsfield)
Rolls-Royce Canada
Canadian Pratt & Whitney
Canadair

De Havilland Aircraft
Air Canada
Department of National Defence (Canada)

EMPLOYEES (1983) 400

SALES (1983) From \$10 to \$50 million



ROLLS-ROYCE (CANADA) LTD.

9500 Cote de Liesse
Lachine, Que.
H4Y 1B7

P.O. Box 1000
Montreal AMF
Montreal, Que.

Contact: H.R. Beattie,
President & Gen. Mgr.
R. Clappinson,
Director Sales & Services

Telephone: (514) 631-3541

Telex: 05-821882

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of light-weight industrial gas-turbines and overhaul and repair and spares support of aero engines. Also repairs engine parts and manufactures precision machined components.

QUALITY STANDARDS

DND: 1015, 1016, 1017, 1019

MIL: 9858A, 45208A, C 45662

COMMERCIAL: D.O.T. No. 1/58

OTHERS: U.K.-CAA Certificate LAA A1/2423/47

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

IBM (Lockheed System)

IBM 4381 Computer

NUMERICAL CONTROL MACHINE TOOLS

Cincinnati Drill (5) 2 Axes

Webster & Bennett 72 ERNC Vertical Boring Mill

Devlieg 3H72 2 Axes

Devlieg 43J40 Horizontal Boring Machine 2 Axes

Sundstrand OM2A Omnimill (2) 4 Axes

SMT-Pullmax Swedturn 20 Lathe 2 Axes

Sundstrand Series 80 Omnimill (2) 5 Axes

Devlieg 43J60 Horizontal Boring Machine 4 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|----|-------------------------|---|
| Turning (Lathe) | 11 | Sheet Metal | 1 |
| Milling | 3 | Internal Grinding | 1 |
| Boring | 1 | External Grinding | 1 |
| Honing | 1 | Surface Grinding | 1 |
| Profiling | 1 | Electro Discharge | 1 |
| Drilling | 2 | | |

MAJOR CLIENTS

Department of National Defence
(Canada)

Air Canada

De Havilland Aircraft

Nordair

Quebecair

Gulfstream Aerospace

IBM

Avco-Lycoming

Governments of the world

EMPLOYEES (1983) 850

SALES (1983) From \$50 to \$100 million



SILONEX INC.

2150 Ward Street
Montreal, Que.
H4M 1T7

Contact: D.A. Anderson, President
Carol A. Larsen, Sales Dir.
Telephone: (514) 744-5507

PRODUCTS, SERVICES, SPECIALITIES

Manufacture and design of optoelectronic components with laboratory for R&D on optoelectronic components and manufacturing of CDS layers and assembly. Also has facility to manufacture and assemble silicon photodiodes of many varieties.

MAJOR CLIENTS

Area Lighting Research
De La Rue
Xerox Corp.
Honeywell
Bell & Howell
Fisher Karpark

Royce Thompson
RCA
Stielectronica
Hesa S.P.A.
Conteesa Electronica S.A.

EMPLOYEES (1984) 119

SALES (1983) From \$1.5 to \$5.0 million



SPAR AEROSPACE LTD. (SATELLITE & AEROSPACE SYSTEMS DIV.)

21025 Trans Canada Hwy.
Ste-Anne de Bellevue, Que.
H9X 3R2

Contact: R.D. Pollock, President
J.R. McCullough,
Vice-President & Gen. Mgr.

Telephone: (514) 457-2150

Telex: 05-822792

PRODUCTS, SERVICES, SPECIALITIES

Development, design, manufacturing and assembly, integration and test of communications satellites and satellite communications sub-systems, units and components. Design and manufacturing of earth station antenna feed systems.

QUALITY STANDARDS

DND: 1015, 1016, 1017, AQAP-1, DMD 1019

MIL: 45208A, D9858

COMMERCIAL: NASA NHB 5300.4 (1B)

PRECISION MACHINERY

ROBOTICS

Automatic Network Analyser-2 18GHZ HP.8542-B

Automatic Network Analyser-2 18GHZ HP.8408-S

Automatic Network Analyser-05.1.3GHZ HP.8507-S

Automatic Spectrum Analyser-0.01-40GHZ HP.8580-B

Automatic Antenna Analyser-2 18GHZ SA 2080 (2)

Automatic Antenna Analyser-2 18GHZ SA 2020

Multi Purpose Automatic & Test System for Transponders Receivers & Amplifiers Spar Configuration (3)

Coordinate Measuring System Mitutoyo B 231

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Data General Mini Computer

IBM-PC's (15)

HP 9920

NUMERICAL CONTROL MACHINE TOOLS

Cincinnati Cim-X Series 20 3 Axes

Moog 83-1000MC 2 Axes

Elox E Wire Feed EDM 2 Axes

Kearney & Trecker MM 180 Machining Centre 4 Axes

Jig Bore SIP 2 Axes

CONVENTIONAL MACHINE TOOLS

| | | | |
|-----------------------|---|--------------------|---|
| Turning (Lathe) | 2 | Sheet Metal | 2 |
| Milling | 6 | Tool Grinder | 3 |

MAJOR CLIENTS

Hughes Aircraft Co.

TRW

RCA-Astro

Embratel

Selenia Spazio

Laben

Telesat Canada

Department of National Defence (Canada)

European Space Agency (ESTEC)

British Aerospace

EMPLOYEES (1983) 489

SALES (1983) From \$50 to \$100 million



ST-LOUIS AVIATION INC.

Hangar No. 4
St-Jean Municipal Airport
St-Jean sur le Richelieu, Que.
J3B 7B5

Contact: Jean Latour, President
A. Slangen, Vice-President

Telephone: (514) 347-4215

Telex: 05-831540

PRODUCTS, SERVICES, SPECIALITIES

Overhaul and rebuilding of aircraft, components, skis and floats.

QUALITY STANDARDS

OTHERS: M.O.T.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)
Drilling
Surface Grinding

MAJOR CLIENTS

Bar Harbor Airlines
Freedom Airlines
Northern Airlines
Sea Airmotive
Air Inuit
Air Ontario
Geoterrex

Govt. of Newfoundland
Govt. of Quebec
Govt. of Saskatchewan
Kentig Aviation
Nordair
Quebecair
Regionair

EMPLOYEES (1983) 40

SALES (1983) From \$1.5 to \$5.0 million



ULTRAVIA AERO LTD.

609 Iberville Street
Repentigny, Que.
J6A 6Y7

Contact: Jean-Rene Lepage, President
Lorraine Chauvin, Vice-President

Telephone: (514) 585-6132

PRODUCTS, SERVICES, SPECIALITIES

Manufactures ultra-light airplanes (Pelican, single-seater and two-seater ultralight or light airplanes) including homebuilt or experimental, A.T.L. or A.R.V.

QUALITY STANDARDS

OTHERS: Certified by British CAA.

MAJOR CLIENTS

Ebemere

EMPLOYEES (1983) 15

SALES (1983) Under \$0.5 million



VAC-AERO INTERNATIONAL INC.

7450 Verite Street
Ville St-Laurent, Que.
H4S 1C5

Contact: T.E. Dahl, Div. Mgr.
Telephone: (514) 334-4240
Telex: 05-824750

PRODUCTS, SERVICES, SPECIALITIES

Supplier of thermal processes (heat treating, brazing, plasma coating, etc.) and repair and overhaul of aircraft and engine components.

QUALITY STANDARDS

DND: 1015

MIL: H(6875-6080), S-6090, B-7883

COMMERCIAL: Bac 5619, MPS 160, MMC 160, CPW 21, PS 1500, DPS 7

OTHERS: CSA Z 2993

MAJOR CLIENTS

| | |
|----------------------------------|---------------------------|
| Canadair | Heroux (MLW-Bombardier) |
| Menasco | Hawker-Siddeley |
| Canadian Pratt & Whitney | Air Canada |
| McDonnell Douglas Canada (McAir) | Canadian Pacific (CP Air) |
| Boeing of Canada | PWA |
| De Havilland Aircraft | Standard Aero Engine |
| Rolls-Royce Canada | Sabena |

EMPLOYEES (1983) 22

SALES (1983) From \$0.5 to \$1.0 million



WALL COLMONOY (CANADA) INC.

365 Broadway Street
Montreal, Que.
H1B 5A7

Contact: W. Ross Nevin, Gen. Mgr.
Joseph Demeulenaere,
Gen. Sales Mgr.

Telephone: (514) 645-1683

Telex: 05-828844

PRODUCTS, SERVICES, SPECIALITIES

Repair and overhaul of aircraft parts. Also does hard surfacing and brazing alloys and atmosphere brazing of stainless steel and other alloys.

PRECISION MACHINERY CONVENTIONAL MACHINE TOOLS

| | |
|-----------------------|---|
| Turning (Lathe) | 2 |
| Milling | 1 |

MAJOR CLIENTS

Air Canada
Standard Aero Engine
Canadian Pratt & Whitney

EMPLOYEES (1983) 14

SALES (1983) From \$1.0 to \$1.5 million



WALTER CANADA INC.

8250 Edison Ave.
Ville D'Anjou, Que.
H1J 1S8

Contact: Georges Laporte, President
Roger Marcoux, Vice-President

Telephone: (514) 352-3161

Telex: 05-829657

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of airport crash trucks. Also does designing, engineering and building of CFR vehicles, airport snowplows and municipal fire-fighting vehicles.

QUALITY STANDARDS

DND: 1015, 1016

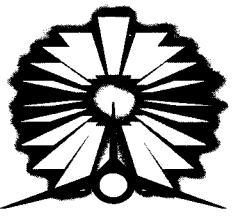
COMMERCIAL: Internal Inspection

MAJOR CLIENTS

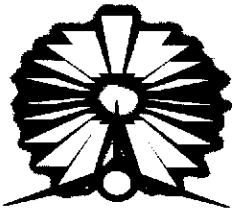
Department of National Defence (Canada)

EMPLOYEES (1983) 35

SALES (1983) From \$5.0 to \$10.0 million



NOTES



NOTES

**QUEBEC
AEROSPACE
1985**

- VOLUME 1 COMPANIES, PRODUCTS AND SERVICES
VOLUME 2 SYSTEMS AND SUBSYSTEMS
VOLUME 3 PRECISION MACHINING AND FINISHING
VOLUME 4 PRECISION INVESTMENT CASTINGS
VOLUME 5 SPECIALTY PRODUCTS AND REPAIR
AND OVERHAUL SERVICES