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**QUEBEC
AEROSPACE
1985**

VOLUME 3

**PRECISION
MACHINING
AND
FINISHING**



Canada

**QUEBEC
AEROSPACE
1985**

VOLUME 3

**PRECISION
MACHINING
AND
FINISHING**

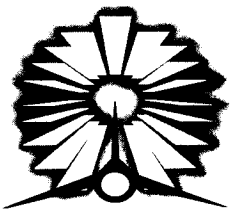


Regional Industrial
Expansion

Expansion industrielle
régionale

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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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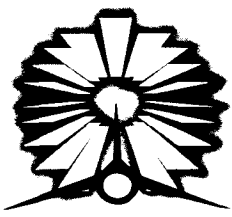


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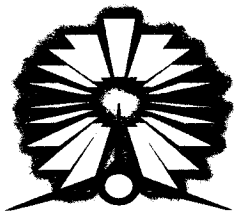


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70	Vac-Aero International
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72	Wall Colmonoy (Canada)



AERO MACHINING LTD.

5411 Industrial Blvd.
Montreal-North, Que.
H1G 3H7

Contact: Raoul Saulnier, President
Bruno Julien, Marketing Director
Telephone: (514) 324-4260

PRODUCTS, SERVICES, SPECIALITIES

Precision machining of aircraft and missile parts, landing-gear components and hydraulic cylinders. Tool design capabilities. Die and mold development and fabrication.

QUALITY STANDARDS

DND: 1016, 1017
MIL: 9858A, 45208A, 45662A
OTHERS: Z299-2

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Okuma LC40-IS Lathe 2 Axes
EX-CELL-O LO3A with GE MP 550 NC 3 Axes

CONVENTIONAL MACHINE TOOLS

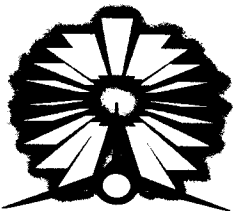
Turning (Lathe)	7	Drilling	1
Milling	17	Internal Grinding	3
Honing	2	External Grinding	2
Profiling	11	Surface Grinding	4

MAJOR CLIENTS

Air Canada	Grumman Aerospace
Canadair	Canadian Vickers
Canadian Marconi Co.	Cleveland Pneumatic
McDonnell Douglas Canada (McAir)	United Aircraft
CGE (Canadian General Electric)	De Havilland Aircraft
Canadian Pratt & Whitney	

EMPLOYEES (1983) 55

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



AIRBORNE GEAR MACHINE LTD.

6205 Couture Blvd.
St-Leonard, Que.
H1P 3G7

Contact: Donald Daoust, President
Telephone: (514) 325-9000

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop, screw machine parts.

QUALITY STANDARDS

DND: 1015

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Hardinge CHNC Chuckler (4) 2 Axes
Ikegai AX-25 Lathe 2 Axes
Mori Seiki IL-38 Lathe

CONVENTIONAL MACHINE TOOLS

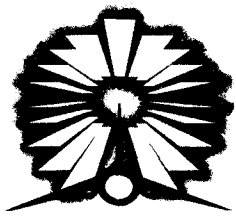
Turning (Lathe)	16	Drilling	14
Milling	2	Internal Grinding	1
Honing	1	External Grinding	4
Surface Grinding	1		

MAJOR CLIENTS

Canadian Pratt & Whitney
Canadian Marconi Co.
Aviation Electric

EMPLOYEES (1983) 27

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



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

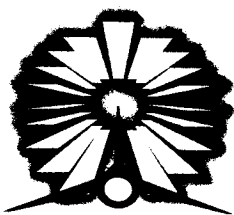
Turning (Lathe)	Sheet Metal
Milling	Gear Cutting
Boring	Internal Grinding
Honing	External Grinding
Profiling	Surface Grinding
Drilling	Plasma Spray

MAJOR CLIENTS

Saudi Arabian Airlines	Nordair
Trinidad & Tobago Int'l Airlines	Air Jamaica
Canadian Pacific (CP Air)	Mto-Moturen Und Turbinen-Union
Eastern Provincial Airways	United Parcel Service

EMPLOYEES (1983) 4,000

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

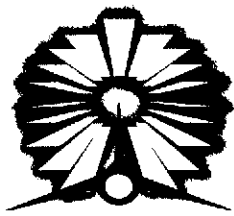
MAJOR CLIENTS

GE (Pittsfield)
Simmonds
Raytheon Canada
CAE
Aviation Electric

Canadian Marconi Co.
Menasco
Leigh (Instrument)
Sperry Vickers
Bell Helicopter

EMPLOYEES (1983) 24

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



ALTA PRECISION INC.

6095 Couture Blvd.
St-Leonard, Que.
H1P 3G7

Contact: Alonso Guillermo, President
Walter Schultheiss, Sec.-Treas.
Telephone: (514) 326-0569

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Structural parts, systems components, castings, precision tooling.

QUALITY STANDARDS

DND: 1015, 1016, 1017
MIL: C-45662

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY:

Programming System Computer Fanuc System P, Model G

NUMERICAL CONTROL MACHINE TOOLS

Hardinge CHNC Chucker 2 Axes
Swedturn ST-10 Lathe 2 Axes
OKK MCV-300 Vertical Machining Centre 2 Axes
OKK MCV-800 Vertical Machining Centre 4 Axes
OKK MCH-800 Horizontal Machining Centre 4 Axes
Swedturn ST-10 Lathe Machining Centre 2 Axes
Coordinate Measuring Machine Mode (Mitutoyo B 241)

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	2	Internal Grinding	1
Milling	1	External Grinding	1
Honing	1	Surface Grinding	1
Drilling	3		

MAJOR CLIENTS

McDonnell Douglas Canada (McAir)	Menasco
Rolls-Royce Canada	Canadian Marconi Co.
Canadian Pratt & Whitney	U.D.T.
Canadair	Eastern Precision Casting

EMPLOYEES (1983) 15

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



ARELL MACHINING LTD.

9051 Parkway Blvd.
Anjou, Que.
H1J 1N4

Contact: Robert Lefort, President
Jacques Lefort, Vice-President
Telephone: (514) 352-9425

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop small aircraft and engine parts.

QUALITY STANDARDS

DND: 1015
MIL: 9858A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Hardinge CHNC Chucker (3) 2 Axes
Standard — Modern NC 2060 Lathe 2 Axes
Hardinge CHNC-16 Chucker 2 Axes
EX-CELL-O CNC 603 Milling 3 Axes
Hurco KMB-I Milling 3 Axes
Hurco MB-II Milling (2) 3 Axes
Wasino L3 J3 Lathe 3 Axes
Wasino LG-81 Lathe (2) 3 Axes

CONVENTIONAL MACHINE TOOLS

Honing	1	Drilling	2
Profiling	1	Surface Grinding	1

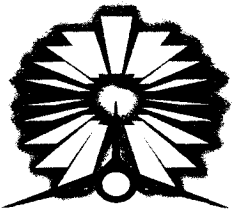
MAJOR CLIENTS

Canadian Pratt & Whitney
Hamilton Technology
Aviation Electric
Menasco

Canadair
Teleflex Morse
Dowty Equipment of Canada
Titeflex

EMPLOYEES (1983) 30

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

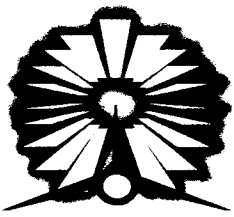
Turning (Lathe)	5	Profiling	1
Milling	8	Drilling	4
Honing	1	Surface Grinding	1

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



B & D MACHINE PRODUCTS LTD.

5175 Ramsay Street
St-Hubert, Que.
J3Y 2S3

Contact: Henry Brechbuhl, President
Robert Desbat, Sec.-Treas.
Telephone: (514) 656-0239

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Specialises in hydraulic parts and aircraft parts.

QUALITY STANDARDS

DND: 1016
MIL: C-45662
COMMERCIAL: QAD 1000 and 1003

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Mori Seiki TL-5A 1000
OKK MCV-500

CONVENTIONAL MACHINE TOOLS

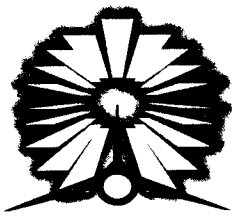
Turning (Lathe)	9	Thread Grinding	1
Milling	4	Internal Grinding	2
Honing	1	External Grinding	1
Drilling	9	Surface Grinding	1

MAJOR CLIENTS

Menasco
Canadian Marconi Co.
Amplitrol
Northern Telecom
Bombardier
Deutz Diesel (KHD Canada)

EMPLOYEES (1983) 15

SALES (1983) Under \$0.5 million



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



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

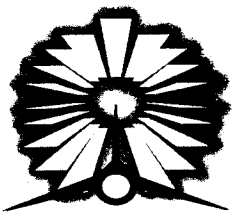
MAJOR CLIENTS

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

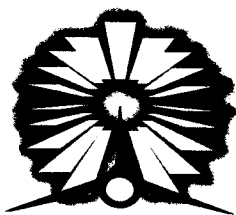
MAJOR CLIENTS

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



CLARO PRECISION INC.

8140 Lafrenai Street
St-Leonard, Que.
H1P 2A9

Contact: G. Molina, President
J.L. Mourain, Vice-President
Telephone: (514) 327-3613

PRODUCTS, SERVICES, SPECIALITIES

Precision machining of aerospace parts.

QUALITY STANDARDS

DND: 1015

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport Series I CNC (6) 3 Axes
Bridgeport Series IIA NC 3 Axes
Okuma LS-N-10 Lathe (2) 2 Axes
Hardinge HNC Chucker (2) 2 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	12	Internal Grinding	1
Milling	15	External Grinding	6
Honing	3	Surface Grinding	1
Drilling	12	Centerless Grinding	1

MAJOR CLIENTS

Canadair
Menasco
Canadian Pratt & Whitney

CAE
Canadian Marconi Co.
McDonnell Douglas Canada (McAir)

EMPLOYEES (1983) 47

SALES From \$1.5 to \$5.0 million



C.P.S. INDUSTRIES INC.

2747 De Miniac Street
St-Laurent, Que.
H4S 1E5

Contact: Herman Schaubhut, President
Peter W. Wiedemann,
Sec.-Treas.

Telephone: (514) 336-0568

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Machining for aerospace, electronic and ammunition industries. Also does stamping.

QUALITY STANDARDS

DND: 1015
MIL: 45208A

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Omni-Prep

NUMERICAL CONTROL MACHINE TOOLS

Graziano Sag-210 2 Axes
Mori Seiki SL-3A 2 Axes
Mori Seiki SL-4 4 Axes
OKK MCV-500 4 Axes
Mori Seiki TL-4 4 Axes
Hurco MBIS 4 Axes
Mori Seiki TL-2 2 Axes
UR

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	9	Drilling	10
Milling	8	Internal Grinding	1
Honing	1	External Grinding	1
Profiling	1	Surface Grinding	1

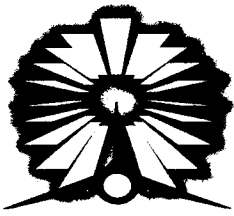
MAJOR CLIENTS

Menasco
Canadian Pratt & Whitney
Canadian Marconi Co.
Lucas Aerospace
Simmonds

Canadair
Dowty
Bendix Corp.
Department of National Defence (Canada)

EMPLOYEES (1983) 32

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



FERNDALE INDUSTRIES LTD.

1540 Henri-Bourassa Blvd. E.
Montreal, Que.
H2C 1H7

Contact: Fernand Rheault, President
Claude Verroneau,
Vice-President

Telephone: (514) 387-3361

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Aircraft parts.

QUALITY STANDARDS

DND: 1015, 1016
COMMERCIAL: Canadair

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	7	Drilling	3
Milling	3	Internal Grinding	1
Honing	1	External Grinding	1
Profiling	1	Surface Grinding	2

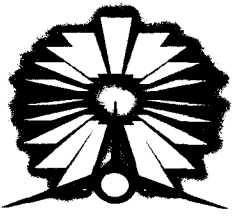
MAJOR CLIENTS

Menasco
Canadian Pratt & Whitney
Heroux (MLW-Bombardier)

General Dynamics Manufacturing
Rolls-Royce Canada
Canadair

EMPLOYEES (1983) 7

SALES (1983) Under \$0.5 million



FILZMOSEY INDUSTRIES INC.

182 Industrial Blvd.
St-Eustache, Que.
J7R 5C2

Contact: Martin Filzmoser, President
Telephone: (514) 472-6610

PRODUCTS, SERVICES, SPECIALITIES

Machining of aluminum parts and manufacturing of aluminum molds for investment casting.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	1	Drilling	3
Milling	5	Surface Grinding	1

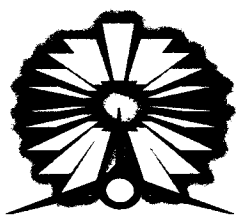
MAJOR CLIENTS

Cercast
Eastern Precision Casting
Tec Cast

Atlantic Casting
Casting Investment Corp.
Integra Cast

EMPLOYEES (1983) 6

SALES (1983) Under \$0.5 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

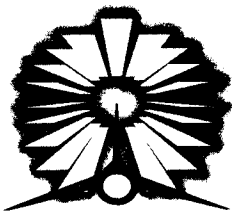
Turning (Lathe)	2	Drilling	1
Milling	2	Internal Grinding	1

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, precision 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

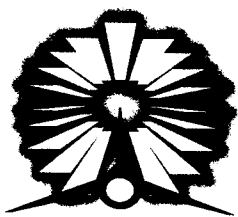
Excello 3 axis Vertical Machining Center Model 602 (3)
Kuraki 4 axis Vertical Machining Center Model KV-1000
Mitsui Seiki Simultaneous 4-axis Horizontal Machining Center
Model HR5B
Mitsui Seiki Simultaneous 5-axis Horizontal Machining Center
Model HR5B Special

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

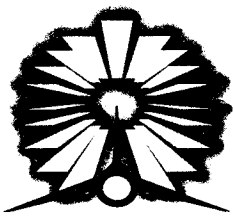
OTHERS: M.O.T.

MAJOR CLIENTS

Department of National Defence (Canada)

EMPLOYEES (1983) 111

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



GORDY TOOL & DIE WORKS LTD.

1865 Fortin Blvd.
Chomedey, Laval, Que.
H7S 1P1

Contact: S.G. Gordy, President
Benoit Poirier, Mgr. and Contr.
Telephone: (514) 271-1368

PRODUCTS, SERVICES, SPECIALITIES

Tools, jigs, fixtures and progressive dies.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	5	Drilling	4
Milling	5	Internal Grinding	2
Boring	2	External Grinding	2
Profiling	1	Surface Grinding	5

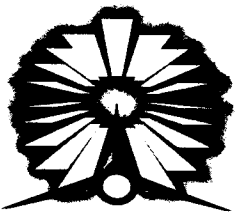
MAJOR CLIENTS

Canadian Pratt & Whitney
Canadair
Spar Aerospace

Northern Telecom
Bombardier

EMPLOYEES (1983) 18

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



HARRINGTON
(DIV. INGERSOLL-RAND CANADA INC.)

755 1st Ave.
Lachine, Que.
H8S 2S7

Contact: W.E. Bentley,
President and Gen. Mgr.
P. Shore, Treas.

Telephone: (514) 637-2513

Telex: 05-822599

PRODUCTS, SERVICES, SPECIALITIES

Design and manufacture of aircraft parts, special machines and components, bushings, press tools, jigs and fixtures.

PRECISION MACHINERY

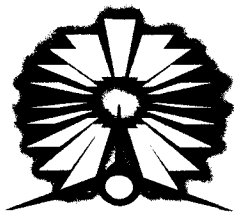
NUMERICAL CONTROL MACHINE TOOLS

Cincinnati-CIM-X Machining Centre 2 Axes
Warner & Swasey I SC Single Spindle 2 Axes
Kearney & Trecker J53-30 Machining Centre 3 Axes
Charmilles/Andrew Wire EDM Machine Model 1515

MAJOR CLIENTS

Rolls-Royce Canada
Canadian Pratt & Whitney
Canadair
McDonnell Douglas Canada (McAir)

EMPLOYEES (1983) 115



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

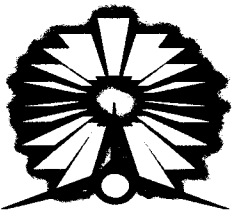
Grumman Aerospace

US Air Force

US Navy

EMPLOYEES (1983) 300

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



HOCHELAGA WORKSHOPS INC.

4325 Industrial Blvd.
Montreal-North, Que.
H1H 2Z5

Contact: Charles Hurbut, President
Andre Hamel, Vice-President

Telephone: (514) 321-0200

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop specializing in crush grinding of valve spindles and other hydraulic details, tools, gauges, landing gear.

QUALITY STANDARDS

DND: 1015

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

OKK MCV-500

Mori Seiki SL-3A

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	16	Drilling	2
Milling	7	Thread Grinding	2
Boring	6	External Grinding	12
Honing	2	Surface Grinding	3

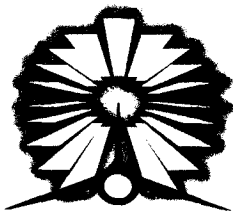
MAJOR CLIENTS

Boeing of Canada
RCA
IBM
Canadian Pratt & Whitney
Menasco

Canadair
Rolls-Royce Canada
Canadian Pacific
McAir

EMPLOYEES (1982) 42

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

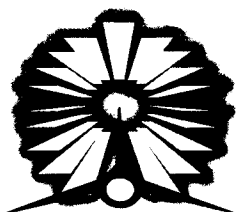
COMMERCIAL: P&W, GE, D.O.T.

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



JOLY ENGINEERING LTD.

8960 Park Ave.
Montreal, Que.
H2N 1Y8

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

Telephone: (514) 387-6281

Telex: 05-827641

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

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

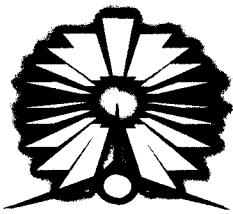
Turning (Lathe)	61	Thread Grinding	2
Milling	16	Internal Grinding	2
Boring	6	External Grinding	8
Honing	3	Surface Grinding	5
Drilling	27	Gear Grinding	4
Gear Cutting	30		

MAJOR CLIENTS

Litton Systems Canada	Martin-Marietta Corp.
Canadian Pratt & Whitney	GE (Pittsfield)
Rolls-Royce Canada	General Dynamics Manufacturing
Menasco	Bendix Corp.
Sperry Vickers	Teledyne Hydra Power
Hughes Aircraft Co.	Centronics Data Computer Corp.
Canadair	Raytheon Canada
McDonnell Douglas Canada (McAir)	Department of National Defence (Canada)
Sikorsky Aircraft Corp.	Williams Research Corp.
Learjet Electronics	Lear Seigler
Rockwell International	Union Carbide

EMPLOYEES (1983) 165

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



LEESTA INDUSTRIES LTD.

513 Lebeau Street
St-Laurent, Que.
H4N 1S2

Contact: E.H. Staub, President
Telephone: (514) 334-2866

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop for aerospace industry and hydraulic systems.

QUALITY STANDARDS

OTHERS: D.O.T.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Hurco MB-1 3 Axes
Hurco KMB-1 3 Axes
Hurco KM-1 MC 3 Axes
Pontiggia Galaxy Turning Centre 2 Axes

CONVENTIONAL MACHINE TOOLS

Honing
Profiling
Drilling
Surface Grinding

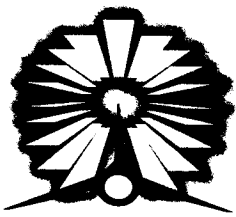
MAJOR CLIENTS

Canadair
Canadian Pratt & Whitney
Rolls-Royce Canada

Menasco
CAE
De Havilland Aircraft

EMPLOYEES (1983) 9

SALES (1982) Under \$0.5 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.

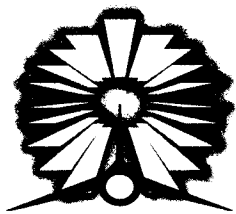
MAJOR CLIENTS

Menasco
Canadair
Westheights Mfg.
Dowty Equipment of Canada
Anderson Metal Ind.
Aviation Electric
Cegelec Ind.
Chicopee Mfg.
Continental Can of Canada
Diemaco
Harrington

Heiplex
Hochelaga Workshop
Ideal Equipment
Imperial Tobacco
Joly Engineering
Macot Grinding Works
Vicom
Wilson Machine Co.
Aero Machining
Boeing of Canada
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

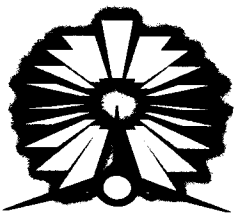
Sheet Metal
Surface Grinding

MAJOR CLIENTS

Governments of the world

EMPLOYEES (1983) 27

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



MACOT GRINDING WORKS LTD.

8420 9th Ave.
St-Michel, Montreal, Que.
H1Z 2Z3

Contact: Jerome Gagnon, President
Telephone: (514) 727-3519

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop for aircraft.

QUALITY STANDARDS

MIL: 45208A

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

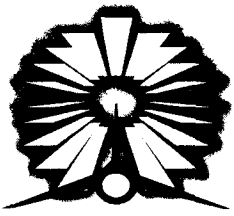
Turning (Lathe).....	5	External Grinding	2
Milling	2	Surface Grinding	1
Honing	1	Tool and Cutter Grinding	1
Internal Grinding	1		

MAJOR CLIENTS

Menasco
Cegelec Ind.
Electrovert
Lucas Aerospace

EMPLOYEES (1983) 4

SALES (1983) Under \$0.5 million



M.D.M. PRECISION LTD.

61 Jacques Cartier Street
Ste-Catherine de Portneuf, Que.
G0A 3M0

Contact: Michel Masson, President
Julien Masson, Vice-President
Telephone: (418) 875-4172

PRODUCTS, SERVICES, SPECIALITIES

Manufacture tools for verification of aircraft engines, jigs and production tools.

QUALITY STANDARDS

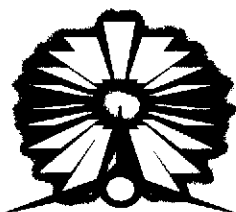
COMMERCIAL: P&W

MAJOR CLIENTS

Canadian Pratt & Whitney
CGE (Canadian General Electric)

EMPLOYEES (1982) 11

SALES (1982) Under \$0.5 million



MESOTEC INC.

15 Chartier Street
Sherbrooke, Que.
J1J 3A9

Contact: Jean Chevrier, President
Paul Constancis,
Vice-President and Sec.

Telephone: (819) 569-2777

PRODUCTS, SERVICES, SPECIALITIES

Manufacturing of aerospace parts, tooling and engineering. Design and manufacture of precision jigs, dies and rubber molds. Also does custom machining, stamping, precision welding and assembling.

QUALITY STANDARDS

COMMERCIAL: Pratt & Whitney Canada

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport Series I 3 Axes

CONVENTIONAL MACHINE TOOLS

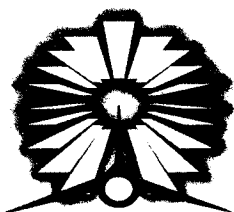
Turning (Lathe)	3	Drilling	4
Milling	8	Internal Grinding	1
Boring	1	External Grinding	5
Honing	1	Surface Grinding	3
Profiling	1	Jig Borer	1

MAJOR CLIENTS

Canadair	Combustion Engineering
Air Canada	Waterville Cellular Products
Canadian Pratt & Whitney	IBM
CGE (Canadian General Electric)	

EMPLOYEES (1983) 26

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

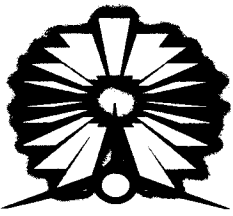
MAJOR CLIENTS

Boeing of Canada
McDonnell Douglas Canada (McAir)
Canadair
Menasco

Canadian Pratt & Whitney
De Havilland Aircraft
GM

EMPLOYEES (1983) 49

SALES From \$1.5 to \$5.0 million



METRO MACHINING CORPORATION

7926 15th Ave.
St-Michel, Montreal, Que.
H1Z 3N6

Contact: Bernard Coursimault, President
Telephone: (514) 374-0791

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop, specializing in tooling and aircraft parts.

QUALITY STANDARDS

DND: 1016

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Mori Fanuc 67B

NUMERICAL CONTROL MACHINE TOOLS

Mori Seiki SL-5H CNC Lathe

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	7	Drilling	2
Milling	9	Internal Grinding	1
Honing	1	External Grinding	1
Profiling	4	Jig Bore	2

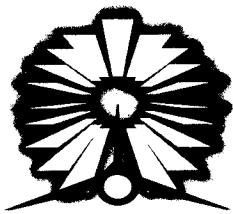
MAJOR CLIENTS

Eastern Steel Casting
Automatec
Canadair
Canadian Pratt & Whitney

U.D.T.
Department of National Defence (Canada)
McDonnell Douglas Canada (McAir)

EMPLOYEES (1983) 27

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



MICRON AUTOMATIC PRODUCTS INC.

10790 Edger Street
Montreal-North, Que.
H1G 4Z8

Contact: G. Bressan, President
Claude Vignoto, Sec.-Tres.
Telephone: (514) 325-9285

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of small precision parts and screw machine products.

QUALITY STANDARDS

OTHERS: Customer's specifications.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

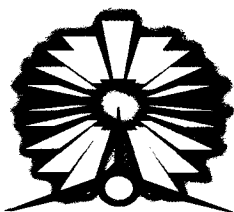
Turning (Lathe)	2	Honing	1
Milling	1	Drilling	3

MAJOR CLIENTS

Canadian Marconi Co.
Aviation Electric
Northern Telecom

EMPLOYEES (1983) 6

SALES (1983) Under \$0.5 million



MODELERIE AERO ENRG.

120 Industrial Blvd.
Boucherville, Que.
J4B 2X2

Contact: Rui Cassis, President
Jean-Paul Coté, Vice-President
Telephone: (514) 641-1770

PRODUCTS, SERVICES, SPECIALITIES

Precision machine pattern shop, manufacturing tooling models for investment casting by chemical sand, plaster, etc.

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	2	Drilling	5
Milling	4		

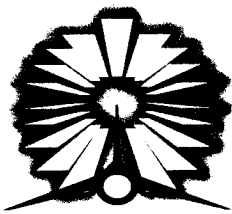
MAJOR CLIENTS

Haley Industries
Robert Mitchell Co.
General Electric

Hitchcock Foundries
Watkins Patterns
Wellman Dynamics

EMPLOYEES (1984) 17

SALES (1984) Under \$0.5 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

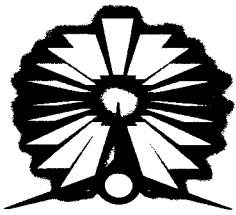
Turning (Lathe)	4	Gear Cutting	11
Milling	4	Internal Grinding	11
Boring	10	External Grinding	4
Honing	1	Surface Grinding	1
Drilling	1		

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



NORPRECISION INC.

10141 London Street
Montreal-North, Que.
H1H 4H4

Contact: Jean Prigent, President
Fulgencio Anton, Vice-President
Telephone: (514) 321-2272

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop making parts for aerospace/military industry.

QUALITY STANDARDS

DND: 1015, 1016

PRECISION MACHINERY

CONVENTIONAL MACHINE TOOLS

Turning (Lathe).....	7	Drilling	2
Milling	6	Internal Grinding	2
Honing	1	External Grinding	2

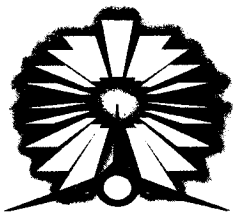
MAJOR CLIENTS

Rolls-Royce Canada
Canadian Pratt & Whitney
Lucas Aerospace

Menasco
Canadian Marconi Co.
Cercast

EMPLOYEES (1983) 3

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		

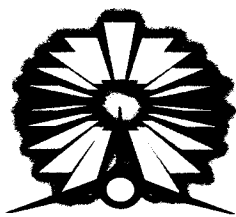
MAJOR CLIENTS

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



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

Devlieg 'Jigmill' 4K60 2 Axes

Sundstrand OM2 Omnimill (9) 4 Axes

Sundstrand OM1 Omnimill (4) 5 Axes

Sundstrand VLO9 Vertical Lathe 2 Axes

Pratt & Whitney Tape-O-Matic C (3) 2 Axes

Pratt & Whitney Tape-O-Matic B 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

Maho MHC-900-K/P Milling & Boring
Machine 3 Axes

Maho MH-800-P Milling & Boring
Machine 3 Axes

Maho MH1000C 3 Axes

Sciaky Tig Welder 4 Axes

Bosto-Matic Machining Centre 5 Axes

Sundstrand OM1 Omnimill 4 Axes

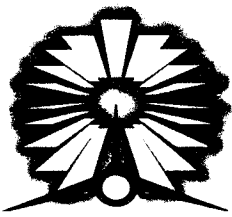
Leybold-Heraeus E.3.Welder 2 Axes

MAJOR CLIENTS

World aerospace market

EMPLOYEES (1983) 6,500

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



PRECI-CAN INC.

2860 De Miniac Street
Ville St-Laurent, Que.
H4S 1K9

Contact: Mike Atalay, President
Telephone: (514) 337-9537

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of investment casting molds. Precision machine shop specializing in the manufacturing of molds, tools and dies.

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Ex-Cell-O 604 Vertical Milling Machine 3 Axes

CONVENTIONAL MACHINE TOOLS

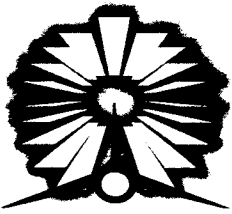
Turning (Lathe).....	1	Drilling	2
Milling	4		

MAJOR CLIENTS

Major investments casting houses in the U.S.

EMPLOYEES (1983) 5

SALES (1983) Under \$0.5 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

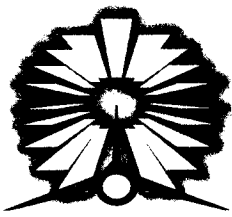
MAJOR CLIENTS

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		

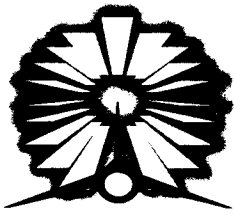
MAJOR CLIENTS

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

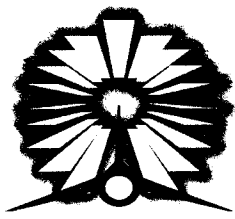
MAJOR CLIENTS

Balancemat
Condor-Litho
Pulmac Instruments
Kruger
Northern Telecom
Rolls-Royce Canada

Canadian Pratt & Whitney
Unigear Industries
Benson & Hedges
Cyanamid of Canada
Robertson Whitehouse

EMPLOYEES (1983) 5

SALES (1983) Under \$0.5 million



PROFAB INDUSTRIES LTD.

5755 Metropolitan Blvd.
St-Leonard, Que.
H1P 1X3

Contact: Benny Imbriglio, President
Telephone: (514) 327-1550

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop. Aircraft and systems components.

QUALITY STANDARDS

DND: 1015, 1016, 1017

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport Series I CNC 3 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	6	Profiling	1
Milling	5	Drilling	4
Honing	1	Surface Grinding	1

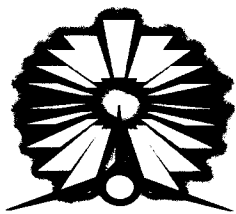
MAJOR CLIENTS

Menasco
Michelin Tires
Spar Aerospace
Canadair

Man Ashton
Canadian Astronautics
Rolls-Royce Canada

EMPLOYEES (1983) 16

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

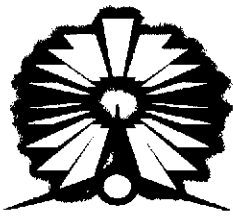
Aba Electromechanical

Hoechst Fibers Ind.

Deister Machine Co.

EMPLOYEES (1983) 35

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



QUELOZ & ASSOCIES INC.

4075 Hamel Blvd.
Ancienne Lorette, Que.
G2E 2H3

Contact: Guy Legare, President
J.P. Thomassin, Vice-President
Telephone: (418) 872-8013

PRODUCTS, SERVICES, SPECIALITIES

Manufacturer of high precision aeronautics parts, custom-built cutting tools, commercial and mechanical parts for aviation and lighting industries, jigs and molds for rubber.

QUALITY STANDARDS

COMMERCIAL: P&W, Canadair, Menasco, Aviation Electric.

PRECISION MACHINERY

NUMERICAL MACHINE TOOLS

Mazak Mazatrol Cam-M2
Vertical Quality Center
VQC-20/40

CONVENTIONAL MACHINE TOOLS

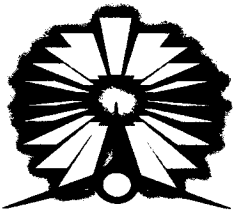
Turning (Lathe)	8	Drilling	3
Milling	3	Internal Grinding	3
Honing	1	External Grinding	6
Profiling	2	Surface Grinding	4

MAJOR CLIENTS

Canadian Pratt & Whitney
Aviation Electric
Canadair
Menasco

EMPLOYEES (1983) 14

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

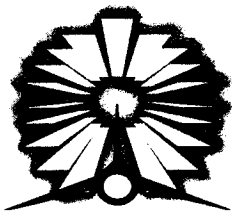
Turning (Lathe)	8	Drilling	5
Milling	8	External Grinding	2
Boring	3	Surface Grinding	12
Honing	2		

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

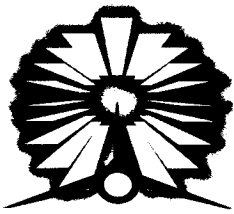
MAJOR CLIENTS

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

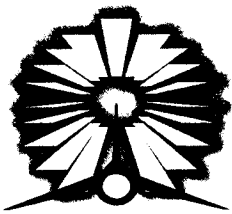
IBM

Avco-Lycoming

Governments of the world

EMPLOYEES (1983) 850

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



SERMATECH CANADA INC.

747 Riddle Ave.
Dorval, Que.
H9P 1H4

Contact: G. Real Boucher,
Managing Director
Roy Carriker, President of
Sermatech International

Telephone: (514) 631-2240

PRODUCTS, SERVICES, SPECIALITIES

Specializing in high performance coating for gas turbine engines, both aircraft and industrial. Also does specialized braze-diffusion repairs, high-energy plasma application, WC and CRC and thermal barriers.

QUALITY STANDARDS

DND: 1015

MIL: C-81751, E-15936

COMMERCIAL: P&W CPW-420 and others

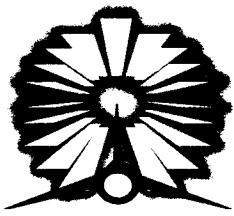
MAJOR CLIENTS

Canadian Pratt & Whitney
Bombardier
Air Canada
Rolls-Royce Canada
Orenda
Standard Aero Engine

Solar
Canadian Pacific (CP Air)
Department of National Defence (Canada)
Diemaco
Flex-Pression
Canadian Westinghouse

EMPLOYEES (1983) 27

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



SIDER-TECH LTD.

630 Beriault Street
Longueuil, Que.
J4G 1S8

Contact: Denis Dessurault, President
Michel Dubuc, Vice-President
Telephone: (514) 670-4292

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop, manufacturing injection mold, sheet metal and welding.

QUALITY STANDARDS

DND: 1015

MIL: 9858A

OTHERS: AMX, CPES, XES, JES, RPS, MSRR, CPW

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

N.C. HQ II & Tripoint with Graphic Video

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport CNC Machine Center No. 1 & 2 Boss 6

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	3	Sheet Metal	3
Milling	4	Internal Grinding	1
Honing	1	External Grinding	1
Profiling	3	Surface Grinding	1
Drilling	1	Vertical & Horizontal Circular Saw	2

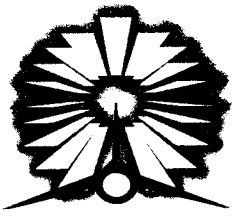
MAJOR CLIENTS

Canadair
Canadian Marconi Co.
Canadian Pratt & Whitney
IBM

Rolls-Royce Canada
IREQ
Department of National Defence (Canada)

EMPLOYEES (1983) 11

SALES (1983) Under \$0.5 million



S.I.D.O. LTD.

P.O. Box 159
480 Robinson Street
Granby, Que.
J2G 8E4

Contact: Luc Benoit, President
Bernard Kistler, Vice-President
Telephone: (514) 861-6472

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop (screw machine products, fine pitch gears).

QUALITY STANDARDS

DND: 1015
MIL: 9858A
COMMERCIAL: IBM, Xerox
OTHERS: CPW 107

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Encode I to Program CNC Machines

NUMERICAL CONTROL MACHINE TOOLS

Turnex Chucker (2) 2 Axes

Brown & Sharp #3 2 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	30	Gear Cutting	9
Milling	10	Internal Grinding	3
Boring	2	External Grinding	4
Honing	1	Surface Grinding	1
Drilling	4		

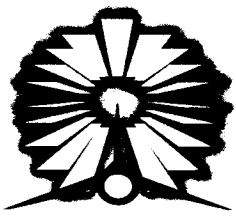
MAJOR CLIENTS

Canadair
Menasco
Canadian Pratt & Whitney
Aviation Electric

CAE
Raytheon Canada
Canadian Marconi Co.

EMPLOYEES (1983) 39

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



S.O.M.R. LTD. **(SOCIÉTÉ D'OUTILLAGE M.R. LTD.)**

5710 Donahue Street
Ville St-Laurent, Que.
H4S 1C1

Contact: Michel Floriant, President
Telephone: (514) 336-5182

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop, specializing in tools and dies. Aircraft machined parts, production tools and production parts.

QUALITY STANDARDS

COMMERCIAL: Canadair, Rolls-Royce, CGE

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Ex-Cell-O 603 (2) 3 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	8	Drilling	13
Milling	20	Sheet Metal	2
Boring	1	Internal Grinding	1
Honing	1	External Grinding	1
Profiling	1	Surface Grinding	4

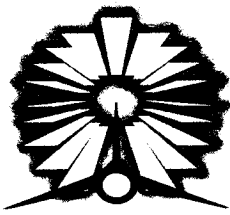
MAJOR CLIENTS

Canadian Pratt & Whitney
Canadair
Rolls-Royce Canada
CAE
Asea Industries
B.C. Medical
CRIQ
Cercast
Cosmair Canada
Electromed Inter.
I.E.C. Holden
Ivaco Rolling Mills
Laniel Auto Radiateur
Petro Canada

Promecam Co.
Rader Canada
Rite Pro
Shell O Matic
Silonex
Supreca
Technitrol CDA
Thermoreacteurs Sunkiss
Traction Specialite
University of Montreal
Vac Aero Inter.
Welflite Industries
CGE (Canadian General Electric)
World aerospace market

EMPLOYEES (1983) 32

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

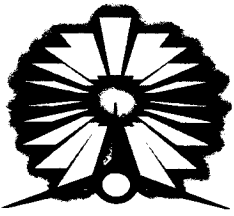
Department of National Defence (Canada)

European Space Agency (ESTEC)

British Aerospace

EMPLOYEES (1983) 489

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



STEEL TREATERS OF QUEBEC INC.

560 Arthur Sauve Blvd.
St-Eustache, Que.
J7R 5A8

Contact: G. Henry, Gen. Mgr.
Telephone: (514) 875-5883

PRODUCTS, SERVICES, SPECIALITIES

Custom heat treating (tempering) of various steel alloys.

QUALITY STANDARDS

DND: 1015

MIL: 9858A

COMMERCIAL: Boeing, McDonnell Douglas etc.

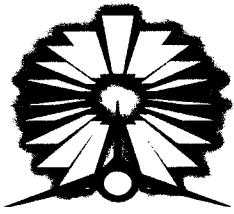
MAJOR CLIENTS

Chicopee Mfg.
Bata Engineering
Joly Engineering
Supreca

Menasco
Canadair
Heroux (MLW-Bombardier)

EMPLOYEES (1983) 30

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



TECHNIMECA LTD.

380 Montee de Liesse
St-Laurent, Que.
H4T 1N8

Contact: M. Carola, President
G. Isabey, Vice-President
Telephone: (514) 739-3193

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop for aircraft parts. Manufactures and assembles small and medium-size precision machine parts from solid bar, forging, or castings to military specifications or the customer's specific needs.

QUALITY STANDARDS

DND: 1016
MIL: 45208A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Sheldon 1710 Lathe 2 Axes
Moog 83-100C 3 Axes
Matsuura Machining Centre MC 500V (4) 2 Axes
Mori Seiki MV 40 Machining Centre 4 Axes
OKK 300 Machining Centre 4 Axes
Mori Seiki TL5 Lathe 2 Axes
Makino MC 40 Horizontal Machining Centre (60 Tools) 4 Axes

CONVENTIONAL MACHINE TOOLS

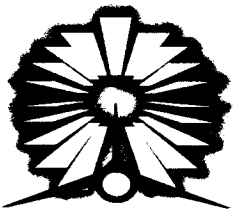
Turning (Lathe)	8	Thread Grinding	4
Milling	7	Internal Grinding	2
Boring	2	External Grinding	3
Honing	1	Surface Grinding	2
Profiling	3	Gun Drilling	1
Drilling	7		

MAJOR CLIENTS

Canadian Pratt & Whitney	Canadian Marconi Co.
McDonnell Douglas Canada (McAir)	Bendix Corp.
Menasco	Alof
Canadair	Martin-Marietta Corp.

EMPLOYEES (1983) 50

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



TECHNIPRODEC LTD.

10051 Mirabeau Street
Ville D'Anjou, Que.
H1J 1T7

Contact: Andre Farkas, President
Telephone: (514) 352-7339

PRODUCTS, SERVICES, SPECIALITIES

Machine shop making parts, tools and molds for aerospace industry. Uses lost wax process.

QUALITY STANDARDS

DND: 1015

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Ex-Cell-O 603 CNC (2) 3 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	2	Drilling	2
Milling	6	Surface Grinding	1
Honing	1		

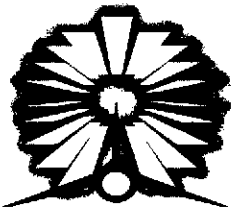
MAJOR CLIENTS

Canadair
Eastern Casting
Cercast

Shellcast
Canadian Pratt & Whitney
McDonnell Douglas Canada (McAir)

EMPLOYEES (1983) 15

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



TRIDENT INDUSTRIES INC.

11550 4th Ave.
Montreal, Que.
H1E 3A6

Contact: Angelo Baccalaro, President
O. Baccalaro, Vice-President
Telephone: (514) 648-0285

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop for aerospace and commercial parts. Manufacturer of landing gear, flight components, avionics, airframe, satellite waveguide components.

QUALITY STANDARDS

DND: 1016
MIL: 9858A, 45208A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Bridgeport Series 1 CNC (2) 3 Axes
Okuma LSN-10 Lathe CNC 2 Axes
Okuma MC-6V CNC Machining Centre 4 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	4	Drilling	4
Milling	3	Surface Grinding	1
Honing	1		

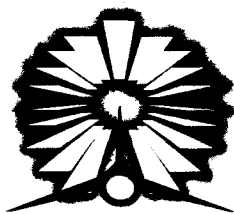
MAJOR CLIENTS

Canadair
Menasco
Joly Engineering

Spar Aerospace
Canadian Marconi Co.

EMPLOYEES (1983) 12

SALES (1983) Under \$0.5 million



TRIPLEX ENGINEERING CO. LTD.

181 Oneida Drive
Pointe-Claire, Que.
H9R 1A9

Contact: M. Pomoryles, President
P. Braun,
Vice-President Sales & Admin.
Telephone: (514) 695-9872

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop manufacturing automatic screw machine, sheet metal and wire products.

QUALITY STANDARDS

MIL: 9858A, 1050, 414

PRECISION MACHINERY

CAD/CAM AND COMPUTER-ASSISTED PROGRAMMING CAPABILITY

Basic Four Model 610
Kaypro 11 Microcomputer
Osborne I

NUMERICAL CONTROL MACHINE TOOLS

Hurco KM-1 Machining Centre 2 Axes
Nakamura Tome ATM-3N Turning Centre 2 Axes
Nakamura Tome TMC4 Turning Centre (3) 2 Axes
Citizen Cincom F25 Swiss Type Lathe 2 Axes
Hurco KMB-1 Machining Centre 2 Axes
Marsuura MC-500V Vertical Machining Centre 2 Axes
Multi & Single Screw Machine and Chuckers
Second Operation Mach. (Milling-Grinding-Turning-Drilling)

CONVENTIONAL MACHINE TOOLS

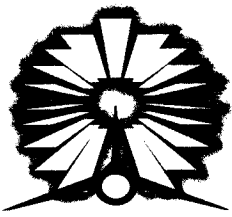
Turning (Lathe)	7	Internal Grinding	1
Milling	24	External Grinding	3
Drilling	69	Surface Grinding	6
Thread Rolling	1		

MAJOR CLIENTS

Ford Aerospace	Northern Electric
Bulova Systems	Hamilton Technology
Department of National Defence (Canada)	Crane Canada
Xerox of Canada	

EMPLOYEES (1983) 240

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



T.W. MANUFACTURING INC.

3700 Richelieu Street
St-Hubert, Que.
J3Y 7B1

Contact: Bob J. Meindersma, President
T. Meindersma, Vice-President

Telephone: (514) 656-8080

Telex: 05-267426

PRODUCTS, SERVICES, SPECIALITIES

Precision machining of aircraft and aircraft engine parts.

QUALITY STANDARDS

DND: 1015

MIL: 9858A, 45208A

COMMERCIAL: Menasco, Canadair, P&W

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Swedturn ST-10 Lathe 2 Axes

Hurco M-11 (2) 3 Axes

CONVENTIONAL MACHINE TOOLS

Turning (Lathe)	8	Internal Grinding	2
Milling	7	External Grinding	1
Honing	1	Surface Grinding	2

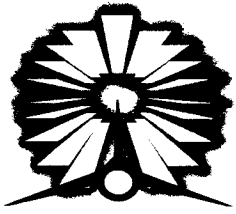
MAJOR CLIENTS

IBM
Canadair
Canadian Pratt & Whitney

Sikorsky Aircraft Corp.
Lockheed

EMPLOYEES (1983) 26

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



UDT INDUSTRIES INC.

2125 Ste-Catherine Street E.
Montreal, Que.
H2K 2H9

Contact: Andre Lebrun,
Chief Exec. & Sec.-Treasurer
Jean-Bernard Cathala,
General Manager

Telephone: (514) 526-9454

Telex: 05-25575

PRODUCTS, SERVICES, SPECIALITIES

Precision machining shop, machining of aircraft structural components for both commercial and military aircraft. Has aluminum alloys heat treating facilities and profiling, automatic N-C tool changer machining.

QUALITY STANDARDS

DND: 1016, 1017
MIL: 9858A, 45208A

PRECISION MACHINERY

NUMERICAL CONTROL MACHINE TOOLS

Cincinnati 3-Spindle 3 Axes
Acroloc 1-Spindle 3 Axes
Cincinnati Tool Change 1-Spindle 4 Axes
Line 3-Spindle Profile Mill 4 Axes
OKK 800 1-Spindle Vertical (2) 3 Axes
Line 3 Spindle Profile Mill 4 Axes
OKK 800 1 Spindle Horizontal 4 Axes

CONVENTIONAL MACHINE TOOLS

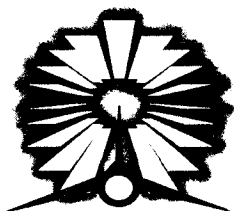
Milling
Profiling
Drilling

MAJOR CLIENTS

McDonnell Douglas Canada (McAir)
Canadair
McDonnell Douglas Corporation (St-Louis)

EMPLOYEES (1983) 60

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



USINAGE NETUR LTD.

3460 Richelieu Street
St-Hubert, Que.
J3Y 7B1

Contact: Louis Rene Turcotte, President
Telephone: (514) 676-0113

PRODUCTS, SERVICES, SPECIALITIES

Precision machine shop for aircraft and engine parts.

QUALITY STANDARDS

COMMERCIAL: P&W, Menasco, Canadair

PRECISION MACHINERY

NUMERICAL CONTROL TOOLS

Swedturn ST-10 Lathe 2 Axes
Swedturn ST-6 Lathe 2 Axes
Bridgeport Milling-Drilling & Boring Machine
SMT Pullmax ST-10 Lathe

CONVENTIONAL MACHINE TOOLS

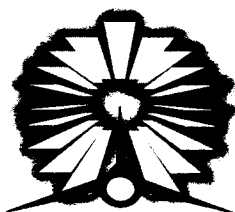
Turning (Lathe)	3	Internal Grinding	1
Milling	3	External Grinding	2
Honing	1	Surface Grinding	1
Drilling	2		

MAJOR CLIENTS

Canadair
Menasco
Canadian Pratt & Whitney

EMPLOYEES (1983) 12

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

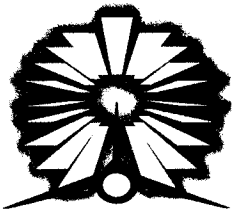
OTHERS: CSA Z 2993

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



VICTORIA PRECISION WORKS CO. LTD.

2901 Rouen Street
Montreal, Que.
H2K 1N9

Contact: W. Stanimir, President
P. Stanimir,
Vice-President & Sales Dir.

Telephone: (514) 524-1143

Telex: 05-829531

PRODUCTS, SERVICES, SPECIALITIES

Custom machinery, tools, dies, aircraft components, broaches, broaching.

PRECISION MACHINERY CONVENTIONAL MACHINE TOOLS

Turning (Lathe)
Milling
Boring
Drilling

Sheet Metal
Internal Grinding
External Grinding
Surface Grinding

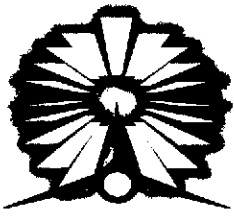
MAJOR CLIENTS

Rolls-Royce Canada
Canadian Pratt & Whitney
Northern Telecom

Imperial Tobacco
Versatile Vickers

EMPLOYEES (1983) 25

SALES (1983) Under \$0.5 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

**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