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**QUEBEC  
AEROSPACE  
1985**

**VOLUME 4**

**PRECISION  
INVESTMENT  
CASTINGS**



**Canada**

**QUEBEC  
AEROSPACE  
1985**

**VOLUME 4**

**PRECISION  
INVESTMENT  
CASTINGS**



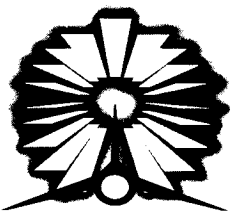
Regional Industrial  
Expansion

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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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		●		●
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<b>Company</b>	<b>Vol. 2</b>	<b>Vol. 3</b>	<b>Vol. 4</b>	<b>Vol. 5</b>
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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		●		
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Modelerie Aero		●	●	
Montreal Precision Crafting Co.		●		●
M.P.B. Technologies				●
Nav-Aids				●
Noorduyn Norseman	●			●
Normand Co.				●
Norprecision		●	●	
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Pierre Thibault Truck				●
Plastal	●			●
Pole Air Aviation				●
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Preci-Can		●		
Preci-Finishing		●		●

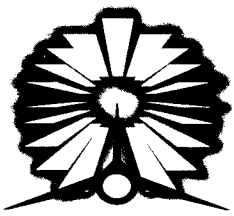




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Quéloz & Associés		●		
Remtec				●
Robco		●		●
Robert Mitchell		●	●	●
Rolls-Royce (Canada)	●	●		●
Sermatech Canada		●		
Shellcast Foundries			●	
Sider-Tech		●		
S.I.D.O.		●		
Silonex				●
S.O.M.R.		●		
Spar Aerospace	●	●		●
Steel Treaters of Quebec		●		
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				●

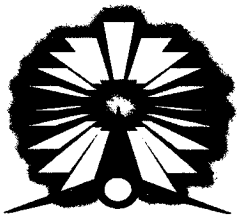


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## **ALUMINUM FOUNDRY & PATTERN WORKS LTD.**

1345 Miron Street  
Ville St-Laurent, Que.  
H4N 2C9

**Contact:** D.B. Chadwick, President  
A. Chadwick, Vice-President  
**Telephone:** (514) 747-7578

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### **PRODUCTS, SERVICES, SPECIALITIES**

Non-ferrous foundry and pattern shop. Does sand casting of non-ferrous alloys by greensand, shell and CO<sub>2</sub> processes.

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### **QUALITY STANDARDS**

DND: 1015

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### **MAJOR CLIENTS**

Canadair  
Menasco  
Canadian Pratt & Whitney

Spar Aerospace  
Aviation Electric

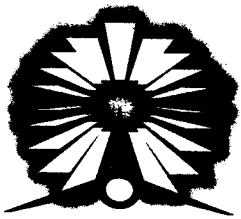
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**EMPLOYEES** (1983) 50

---

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





## **CERCAST (1979) INC.**

3905 Industrial Blvd.  
Montreal-North, Que.  
H1H 2Z2

**Contact:** F. Valenta, President  
E. Heimbach, Vice-President

**Telephone:** (514) 322-2371

**Telex:** 05-829500

---

### **PRODUCTS, SERVICES, SPECIALITIES**

Producer of non-ferrous precision investment castings, known for its ability to manufacture complex thin wall, large investment castings.

---

### **QUALITY STANDARDS**

**DND:** 1016

**MIL:** 45208A

**COMMERCIAL:** Every major air company.

---

### **MAJOR CLIENTS**

Avco-Lycoming

Lockheed

Hughes Aircraft Co.

McDonnell Douglas Canada (McAir)

Canadian Pratt & Whitney

Canadair

Martin-Marietta Corp.

Boeing of Canada

Texas Instruments

United Technology

Norden

Hamilton Technology

Sikorsky Aircraft Corp.

Bristol Aerospace

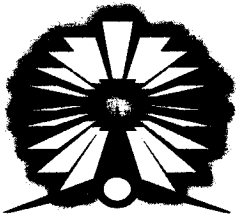
General Dynamics Manufacturing

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**EMPLOYEES** (1983) 160

---

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



## **EASTERN PRECISION CASTING INC.**

820 Deslauriers Street  
St-Laurent, Que.  
H4N 1X1

**Contact:** L. Tom, President  
P. Campanelle, Vice-President

**Telephone:** (514) 337-9600

**Telex:** 05-826547

---

### **PRODUCTS, SERVICES, SPECIALITIES**

Precision investment castings ferrous and non-ferrous.

---

### **QUALITY STANDARDS**

DND: 1016

MIL: 45208A, 45662, 130D, 00453B, 109B

---

### **PRECISION MACHINERY**

#### **ROBOTICS**

Sheel-O-Matic (Mould Dipping)

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### **MAJOR CLIENTS**

Canadian Marconi Co.  
Canadian Pratt & Whitney  
Canadair  
De Havilland Aircraft  
Aviation Electric  
Lockheed  
Apollo  
Bendix Corp.  
Claro Precision  
Gentner  
Ingadale  
Northern Telecom  
Noorduyn Norseman  
Soko Precision

Triple Metal  
Linamar  
Andrew Corp.  
Bell Helicopter  
Fairchild  
Hughes Aircraft Co.  
Loral  
Martin-Marietta Corp.  
M.A. Com Video  
Motorola  
Raytheon  
Rockwell International  
Singer  
McDonnell Douglas Canada (McAir)

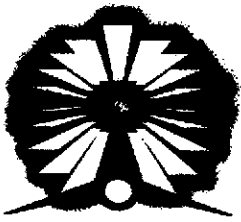
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**EMPLOYEES** (1983) 140

---

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





## **MODELERIE AERO ENRG.**

120 Industrial Blvd.  
Boucherville, Que.  
J4B 2X2

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

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### **PRODUCTS, SERVICES, SPECIALITIES**

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

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### **PRECISION MACHINERY**

#### **CONVENTIONAL MACHINE TOOLS**

Turning (Lathe) .....	2	Drilling .....	5
Milling .....	4		

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### **MAJOR CLIENTS**

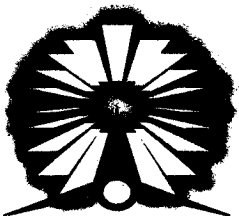
Haley Industries	Hitchcock Foundries
Robert Mitchell Co.	Watkins Patterns
General Electric	Wellman Dynamics

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**EMPLOYEES** (1984) 17

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**SALES** (1984) 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

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### **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

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### **MAJOR CLIENTS**

Rolls-Royce Canada  
Canadian Pratt & Whitney  
Lucas Aerospace

Menasco  
Canadian Marconi Co.  
Cercast

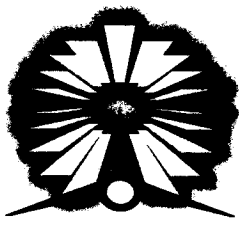
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**EMPLOYEES** (1983) 3

---

**SALES** (1983) Under \$0.5 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

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### **MAJOR CLIENTS**

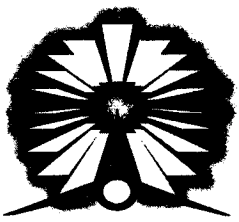
GE (Pittsfield)	De Havilland Aircraft
Rolls-Royce Canada	Air Canada
Canadian Pratt & Whitney	Department of National Defence (Canada)
Canadair	

---

**EMPLOYEES** (1983) 400

---

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



## **SHELLCAST FOUNDRIES INC.**

10645 Lamoureux Street  
Montreal-North, Que.  
H1G 5L4

**Contact:** B.B. Morgenstern, President  
B. Innus, Vice-President

**Telephone:** (514) 322-3760

**Telex:** 05-828787

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### **PRODUCTS, SERVICES, SPECIALITIES**

Investment casting of non-ferrous alloys.

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### **MAJOR CLIENTS**

Boeing of Canada  
Martin-Marietta Corp.

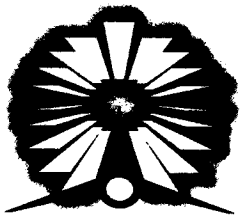
McDonnell Douglas Canada (McAir)  
Canadair

---

**EMPLOYEES** (1983) 123

---

**SALES** (1982) From \$5.0 to \$10.0 million



## **SUPRECA INC.**

1050 St-Amour Street  
St-Laurent, Que.  
H4S 1J2

**Contact:** W.C. McMath, President  
**Telephone:** (514) 337-4551  
**Telex:** 05-824901

---

### **PRODUCTS, SERVICES, SPECIALITIES**

Specializing in solid-mold and ceramic shelltype investment casting in both ferrous and non-ferrous metals.

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### **QUALITY STANDARDS**

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

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### **MAJOR CLIENTS**

Bendix Corp.  
Boeing Airplane Co.  
De Havilland Aircraft

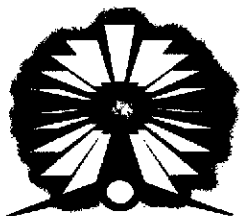
Dowty Equipment of Canada  
McDonnell Douglas of Canada (McAir)  
Menasco

---

**EMPLOYEES** (1983) 55

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



## **VESTSHELL INC.**

10351 Pelletier Street  
Montreal-North, Que.  
H1H 3R2

**Contact:** Joseph Valenta, President  
A. Fred Burner,  
Vice-President & Gen. Mgr.

**Telephone:** (514) 326-1280

**Telex:** 05-829586

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### **PRODUCTS, SERVICES, SPECIALITIES**

Investment casting of ferrous metals up to 300 lb. using shell processes.

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### **QUALITY STANDARDS**

DND: 1015  
MIL: 9858A, C-6021  
OTHERS: NCA 3800

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### **MAJOR CLIENTS**

GE (Pittsfield)  
Canadian Pratt & Whitney

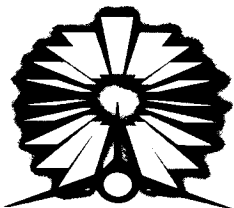
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**EMPLOYEES** (1983) 180

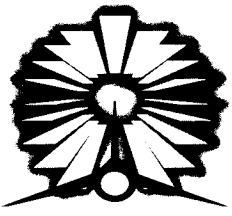
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**SALES** (1983) From \$5.0 to \$10.0 million

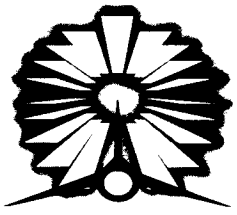




***NOTES***



***NOTES***



***NOTES***

**QUEBEC  
AEROSPACE  
1985**

- VOLUME 1 COMPANIES, PRODUCTS AND SERVICES
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- VOLUME 3 PRECISION MACHINING AND FINISHING
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