



## A Word From The President

## About Us

PCP-Canada is totally committed to the production of cast plate. Our privileged access to a premium DC cast aluminum source is guaranteeing you get a world class alloy made of prime aluminum without contamination from recycling.

Our genes are ingrained with the DNA of the former Pechiney Cast Plate Facility. From a sound knowledge base, our goal was to continue to supply our customers, not only with unsurpassed quality, but with unsurpassed lead time.

Our performance on these two fronts speak for themselves.





## Our Business is Customized Precision Cast Plate

PCP Canada is specialized in the transformation of cast aluminum.

Our cast plates and blocks:

**ALCA 5<sup>®</sup> (AA5083)**

**MAX 5<sup>®</sup> (AA5083)**

**ALCA MAX<sup>®</sup> (AA2618)**

**BUSPLATE<sup>®</sup> (AA1370)**

Our products are primarily used in the sector of industrial fabrication, plastic extruders, precision machining, etc.

Saguenay  
Québec  
Canada

A map of North America is shown in the background, with a red arrow pointing to the Saguenay region in Québec, Canada.

# PCP Canada Profile

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PCP Canada is a world class company engaged in the manufacturing of aluminum precision cast plates and cast molding blocks.

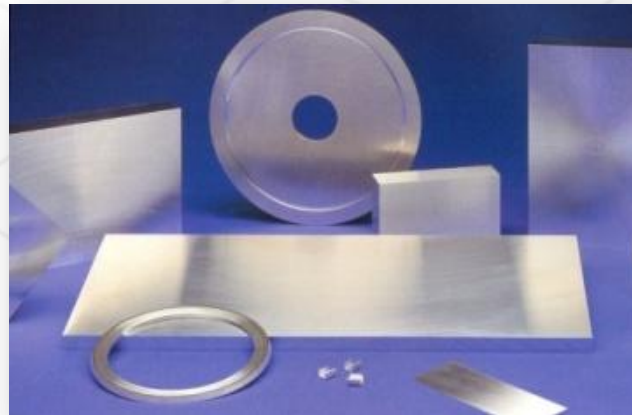
Our high quality products meet the highest market standards. Mainly used in the manufacturing industry, automotive, marine and plastics, the dimensional accuracy and stability of our unique products will facilitate the achievement of your machining projects while minimizing the additional operations such as slitting, milling, roughing and treatments commonly used in your everyday applications.



**Products designed to customer's requirements!**

# PCP Canada Profile

Industries are choosing PCP-Canada cast plate for applications in which flatness, machineability, and dimensional stability are absolutely critical. The level of product quality we maintain is the result of advanced metallurgy combined with the state of the art equipment and production techniques, as well as unsurpassed attention to details.



## APPLICATIONS

Auto and truck part

Blow molds

Compression molds

Disk drive bases

Drill jigs

Electronics

Foundry patterns

Injection molds

Inspection gauges

Machining fixtures

Machine tools

Mounting plates

Packaging Components

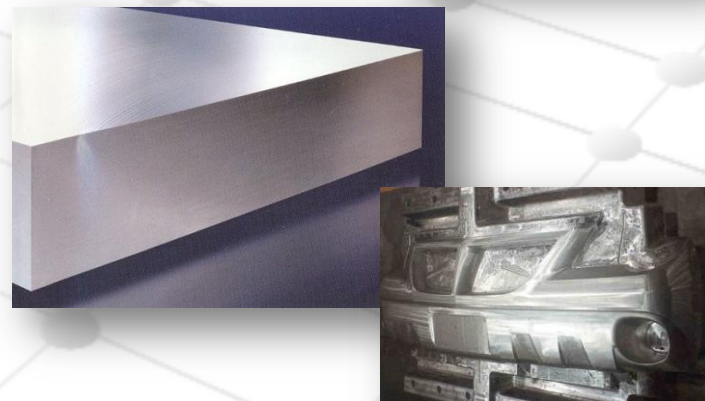
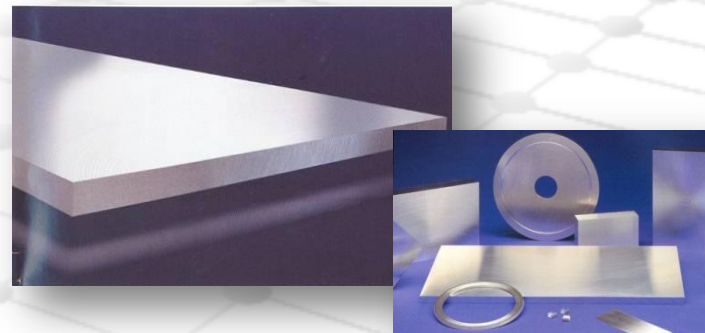
Spinning forms

Templates

Vacuum chucks

# MAX 5<sup>®</sup> AA5083

- ✓ Known for exceptional performance in extreme environments.
- ✓ Highly resistant to attack by both seawater and industrial chemical environments.
- ✓ Retains exceptional strength after welding.
- ✓ When welding to itself or another alloy from the same sub-group, the recommended filler metal is 5183. Other suitable fillers are 5356 and 5556.



Property	Value
Density	2.65 g/cm <sup>3</sup>
Melting Point	570°C
Modulus of Elasticity	72 GPa
Electrical Resistivity	0.058x10 <sup>-6</sup> Ω.m
Thermal Conductivity	121 W/m.K
Thermal Expansion	25x10 <sup>-6</sup> /K

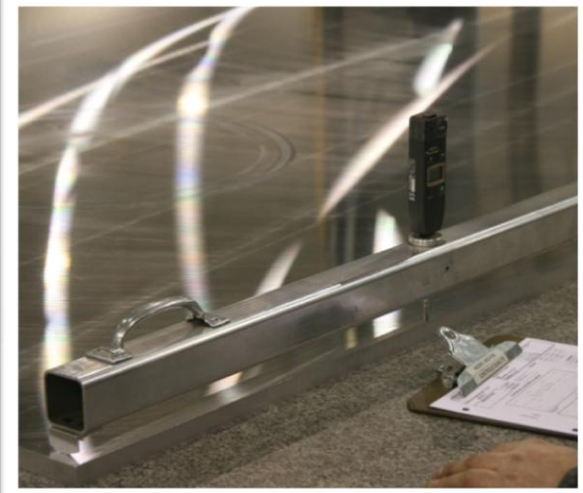
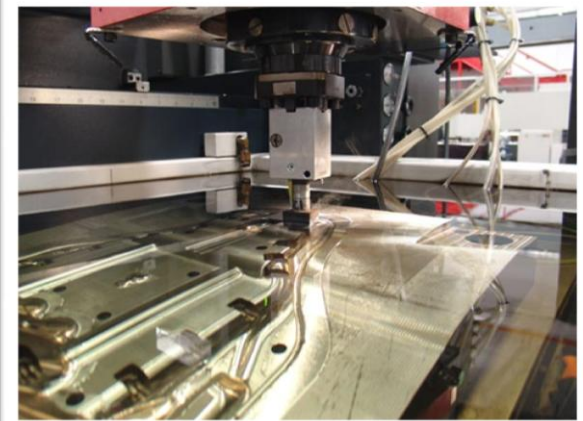
[MAX5 Specs & MSDS](#)

SI	FE	CU	MN	MG	CR	ZN	TI	AL
0.06	0.31	0.01	0.47	4.44	0.07	< 0.01	< 0.01	>0.95

# Typical fabrication response AA5083 alloy

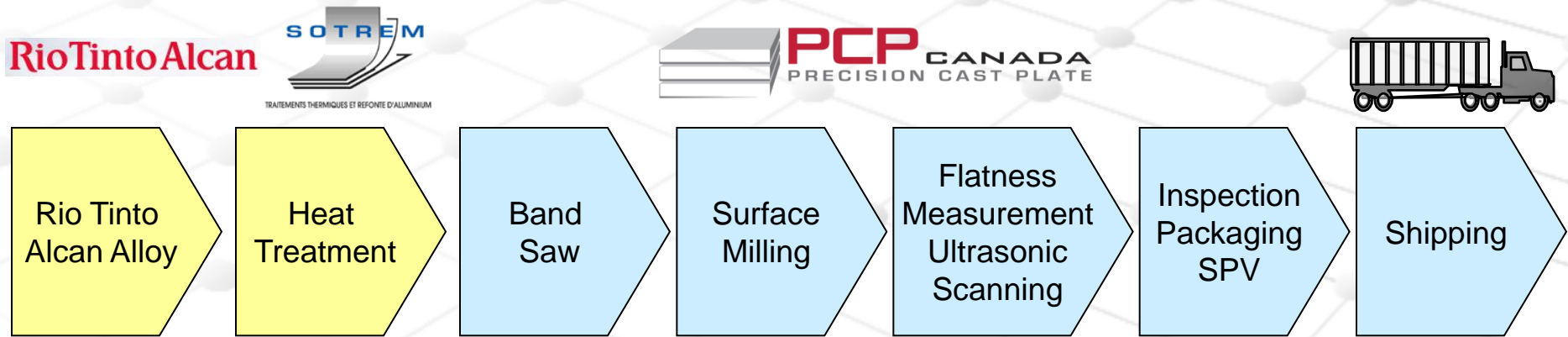
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Process		Rating
1.	Workability – Cold	Average
2.	Machinability	Excellent
3.	Weldability – Gas	Average
4.	Weldability – Arc	Excellent
5.	Weldability – Resistance	Excellent
6.	Corrosion resistance	Excellent
7.	Dimensional stability	Excellent
8.	Hard Anodization	Excellent
9.	Dry powder painting	Excellent



# Supply Value Chain

**ALCA 5<sup>®</sup> MAX 5<sup>®</sup>**

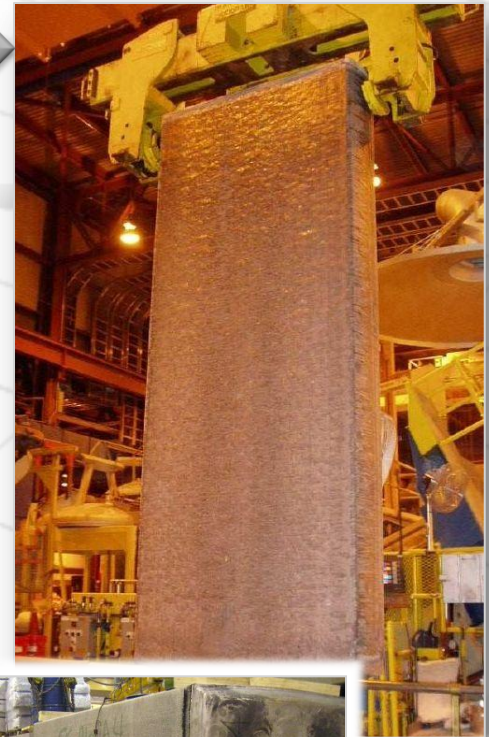


External Supplier

Internal process

# PCP Canada Technology – Base Material

- ✓ MAX 5 is made with roll slab aluminum supplied by Rio Tinto Alcan.
- ✓ Rio Tinto Alcan Facilities are located in 15 miles radius vicinity of PCP-Canada with 1 million tons of annual capacity.
- ✓ Two 200K tons/y facilities - Laterrière and Grande-Baie - are supplying the certified slabs.
- ✓ The AA5083 slabs are made of prime metal AA1370 with no external recycling. They recycle only scraps coming from their own slabs.
- ✓ The slab batch metal is filtered, degassed, grain refined and UT inspected.



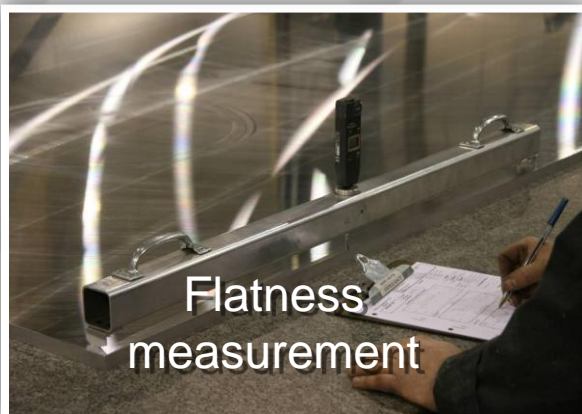
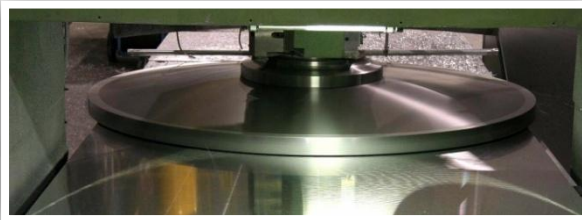


# Quality Assurance

Full traceability is maintained throughout the fabrication process. Mechanical properties such as tensile strength, yield strength, Brinell hardness, flatness and roughness are recorded through a comprehensive QA program.

PCP Management and its employees are committed to care for its customers. Products and quality services will be delivered on time at a competitive price.

Each employee contributes and is accountable for the quality of his work. Therefore, PCP management will consult with, involve and train all employees. PCP Canada will provide the tools and expertise to maintain and improve the quality of its products and services.



# Services

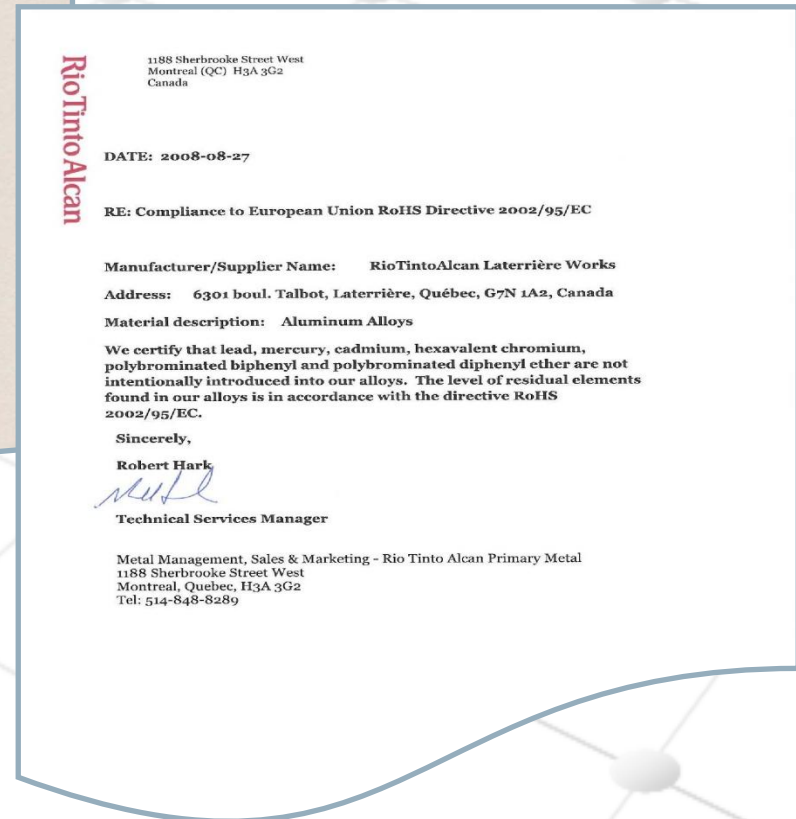


Just on Time Shipping is our Business



Special packaging on request.  
Special shipping for tight schedule project.

# ISO and RoSH compliances



# Partner's Network

**Rio Tinto Alcan**



PCP-Canada has built a team of highly competent and experienced people. We support our products with an R&D department driven by customers requests.

Sales director, metallurgists, welding engineer, chemical engineers, and technicians are working together to meet your expectations for your next challenging applications.

PCP-Canada's network of technical competence is working on the next generation of base material.