

# CAN ART

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## ALUMINUM INC.

EXTRUSION • ANODIZING • FABRICATION

# CORPORATE OVERVIEW



Can Art Aluminum Extrusion Inc. is a privately held, North American based extruder of standard and custom aluminum profiles. Since 1988, Can Art has grown from a single-press operation to the vertically integrated multi-plant, multi-press operation that we are today.

We have built a reputation for uncompromised quality, responsive service, and a commitment to growth in the markets we service across North America. From initial inquiry to delivery, Can Art has the knowledge, capacity, and capability to handle your requirements and exceed your expectations.

**Can Art is proud to say that we are TS 16949 and ISO 9001:2008 certified.**

## **CAN ART** ALUMINUM INC.

- A. BRAMPTON, ONTARIO**  
1995: Construction of a 110,000 sq ft plant and Head Office.
- B. WINDSOR, ONTARIO**  
2000: Addition of a second 190,000 sq ft manufacturing facility, thus enhancing our ability to better service the North American market.
- C. MISSISSAUGA, ONTARIO**  
2012: Vertical integration with a state of the art 45,000 sq ft anodizing facility.



Can Art plants are equipped with state of the art back-to-back extrusion presses. Our extrusion systems feature high tonnage Programmable Logic Control (PLC) presses; high efficiency billet ovens; infrared die ovens; high pressure PLC quench systems; double pullers; gentle belt handling systems; computerized stretchers; and automated in-line precision cutting. Orders can be interchanged between presses and even between plants if necessary, providing shorter lead times and assured source of supply.

## Can Art's extrusion press capacity consists of:

- ▶ 1 x 1,800 ton 7"
- ▶ 2 x 2,500 ton 7"
- ▶ 1 x 2,500 ton 8"
- ▶ 1 x 3,600 ton 9"

Our profile weight capabilities range from under 0.100 lbs/ft up to 12 lbs/ft, with a maximum cut length of 35 ft. Longer lengths are subject to inquiry.

## Can Art exclusively extrudes 6000 series alloys in a variety of tempers. We currently offer the following alloys:

- ▶ 6063    ▶ 6060
- ▶ 6061    ▶ 6101
- ▶ 6005A   ▶ 6008
- ▶ 6351    ▶ 6082



A wide variety of alloys are available within our inventory at all times, allowing customer selection to suit specific needs.



High pressure PLC water quench with recipe storage capability.

We extrude primary billet as well as LEED compliant recycled billet. Special recipes within the 6000 series are also available upon inquiry.

# ANODIZING

In order to better service our customers and continue growing our product offerings, Can Art has designed and built a state of the art anodizing facility featuring acid etch pre-treatment. Can Art's anodizing line provides an uncompromised level of quality, efficiency, and service, with a focus on environmental responsibility. Our large tanks - 34' long, 7' deep, and 42" wide - allow us to accommodate longer length products than our competition and process large quantities of product each day while keeping lead times short.

With the introduction of long length acid etch capabilities, Can Art's anodizing line provides an unparalleled finish by eliminating surface defects more effectively than traditional alkaline etch. Eliminating these surface issues more effectively allows us to process LEED compliant extrusions without compromising the quality of the finish in a growing green market. Acid etch also removes as little as one-tenth the aluminum when compared to alkaline etch, drastically reducing the amount of landfill waste produced.

The addition of cold sealing provides the most alkaline and acid resistant sealing technique in the industry. For the architectural and automotive markets, this translates to the most resistant seal to salts, acids, and damaging cleaning products when compared to traditional hot sealing techniques.

Once an order is entered, all relevant parameters (time in tanks, temperatures, movement from tank to tank, etc.) are predetermined. Our PLC integrated cranes completely process the work from start to finish. For the customer, this means a consistent, quality finish that is completely repeatable for each and every project we take on.

Our wide range of anodic coating thicknesses and two-stage electrolytic colouring comply with AAMA 611 and MIL-A-8625 standards.



Programmable Logic Control cranes take each load through the entire process automatically.



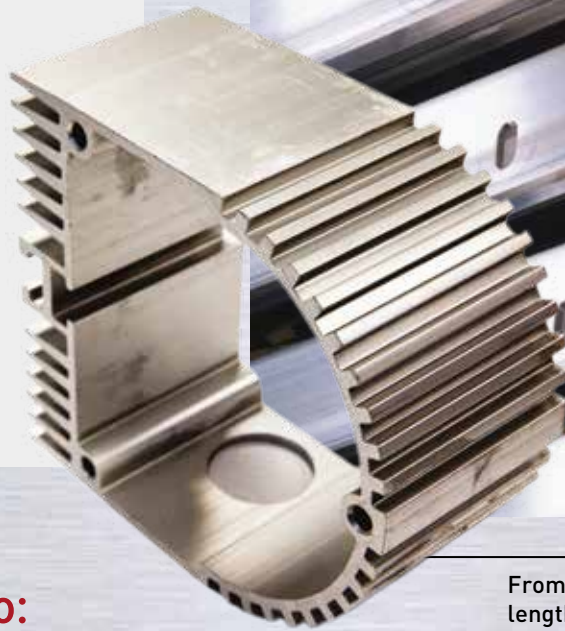
*Our anodizing facility features an automated packaging line that reduces the amount of packaging material required. Finished bundles are also more uniform for improved shipping and storage.*

**Full automation allows all recipes to be stored for exact repeatability.**

Can Art embraces the value added components of your products more than traditional extruders. Tools, dies, jigs and fixtures are designed, manufactured and maintained in house. From design to production, our fabrication engineers work with you to provide solutions for a wide range of projects and applications. This vertical integration translates into faster turnaround times, competitive prices and exceptional service.

## **Fabrication operations include, but are not limited to:**

- ▶ High precision cutting to within .005"
- ▶ Mitering
- ▶ Punching
- ▶ Notching
- ▶ Drill and tap
- ▶ Countersinking
- ▶ Bending and forming
- ▶ CNC
- ▶ Deburring



**Fabrication is not just something we do: We excel at it!**

From small fabricated parts under 1" in length, to long product that can be up to 35', Can Art is a one stop shop for all your aluminum extrusion fabrication needs.



Precision cutting to within .005"

*Can Art is able to supply aluminum extrusions in a wide variety of wet and powder coat paints. We are also able to offer buffing, brushing, and pour and debridge services.*

# BENEFITS OF ALUMINUM

Can Art has taken significant steps to ensure that we promote an environmentally responsible culture throughout our manufacturing processes. We are continuously increasing the throughput of LEED compliant billet utilized in our operations. With nearly 100% recovery of our main input, there are only two items that our purchased aluminum billet can be converted into – finished product and scrap to be recycled. Our closed loop system gives us the ability to recapture nearly all of the scrap metal we generate – from stretcher scrap to saw chips, nothing is wasted.

Can Art's anodizing facility was designed and built to reduce environmental impact. The addition of acid etch finishing, produces 90% less solid landfill waste when compared to conventional caustic etch methods. Energy consumption is also significantly reduced with acid etch by cutting etching process time by 50% and etching at lower temperatures compared to traditional caustic. Perhaps the most positive attribute of the acid etch process comes with its ability to effectively hide surface defects on secondary billet. This allows Can Art's customers to increasingly utilize recycled billet without compromising appearance. High efficiency hot water boilers, as well as a high capacity waste water treatment system allow Can Art's anodizing facility to operate with minimal environmental footprint. In addition, high efficiency scrubbers maintain a superior level of air quality within the plant environment.



## Aluminum advantages:

- ▶ Highly abundant
- ▶ Easy to bend, form, and machine
- ▶ Recyclable
- ▶ High strength to weight ratio



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### **Anodizing Plant**

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