

AFCO Custom Extrusions:

Making Aluminum Work



AFCO
Industries, Inc.



In

1886, Charles Martin Hall discovered how to electrically reduce bauxite in order to create aluminum. **Since 1946, AFCO** has been using prime 6000 series alloys to produce parts for some of the world's largest manufacturing companies.

AFCO begins with a 20' aluminum log and uses a wide variety of alloys and tempers to start the process



AFCO's 7" extrusion press with automated stretching and cutting capabilities can handle any job



As an **employee-owned** vertical manufacturer,

AFCO

works with each customer beginning with the design idea. We then create an extrudable shape and make that shape become a reality through the extrusion process.



Aluminum

offers endless design possibilities, and AFCO can help you realize the full potential of any manufactured part. We will help you determine which finish is best for the aluminum shape you have created. AFCO can also

ANODIZE

your aluminum part, which adds an additional electrochemical seal and weather protection, and enhances it's beauty.

*24' anodizing tanks
can handle your needs*



If it's

Color

you need, AFCO's powder paint system can create color, and do it quickly.



*AFCO's state-of-the-art
Wagner painting system
can change colors in less
than 5 minutes and quickly
coat any profile up to 25'*





AFCO has both horizontal and vertical CNC machines that will produce parts quickly and precisely



Once an extruded shape is created, AFCO has over 12 CNC centers that can

fabricate

intricate features and details while holding incredibly tight tolerances.

*High Speed Drilling
AFCO's Robodrills can rapidly tap, countersink and counterbore every job*

$.500^{\pm}$
 $+.002^{\pm}$

$.125^{\pm}$
center sink

$.500^{\pm}$
 $+.005^{\pm}$

The aluminum welding process:



*Step 1
Cut and shear the shape*



*Step 2
Bend and weld*



*Step 3
Grind, sand and inspect*



*Step 4
Apply desired finish, paint or anodizing*

Need to move beyond drilling and tapping a part? Let AFCO's craftsmen shape and

weld

a design to your exact needs. We use the latest welding techniques to add, move or recreate metal from scratch!

What else can we

help

you with?

Give us a

call

800

551-6576

www.afco-ind.com

Pipe Threading

AFCO's Ridgid machine can handle standard & tapered threads from 1/2" to 4-1/2"



Punching

From 5 to 150 tons, our presses can do both the light and the heavy work!

High Speed Sawing

This high speed automated Granco saw can cut parts quickly and hold very tight length tolerances



OTHER AFCO SPECIALTIES:

- | | |
|-----------|----------------|
| Swaging | Bending |
| Grinding | Mitering |
| Deburring | Turning |
| Assembly | Custom Packing |



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