

SINCE 1953

**BRITELINE** →

EXTRUSIONS, Inc.

**SMALL SHAPES.  
FINE FINISHES.**

THAT'S WHAT WE DO BEST.

Extrusions • Anodizing • Powder Coat • Fabrication

## ABOUT US

# Overview

Briteline Extrusions, Inc. is an aluminum extrusion manufacturing company located in Summerville, South Carolina, 20 miles from Charleston. We also fabricate, anodize, and powder coat at our facility.



## CEO Ken Kabine



With over 60 years experience in the aluminum extrusion industry, Ken is a pioneer. Being creative, versatile, and paying attention to the details have resulted in Briteline's reputation for high quality. "We focus on small shapes, fine finishes and custom parts. By doing what no one else wants to do, we've created a niche in the industry. We take good care of our people, and they are carefully trained to take care of our customers' requirements. Employees own stock in Briteline, so they are interested in seeing it succeed."

## Our Markets



Shower Door



Lighting



Retail Display



Trim



- ✦ 110,000 sq. ft.
- ✦ Two Extrusion Presses
- ✦ Brite Dip and Acid Etch Anodizing lines
- ✦ Nordson PowderCoat line
- ✦ CNC Machining Center
- ✦ Full Fabrication Services

# Our Capabilities

Briteline Extrusions is designed to be your one stop source for high-quality extruded, fabricated and finished aluminum extrusion parts.

## Presses

Our 6-inch extrusion presses are designed to extrude small, lightweight shapes. We can extrude solids or hollows that fit inside the 6" circle size

- ✦ Press V 1450 Ton Youngstown
- ✦ Press VI 1450 Ton Watson-Stillman

## Billet/Alloy

We use primary billet from the aluminum industry's top suppliers.

- ✦ 6063 Alloy The most popular extrusion alloy. Good surface finish; good corrosion-resistance; good machinability. Heat treatable.
- ✦ 6463 Alloy Designed to accept a bright finish through anodizing and/or polishing. Good surface finish; good corrosion-resistance; good machinability. Heat treatable.

## Temper

- ✦ T5 Extrusions are cooled from an elevated temperature and artificially aged. Webster reading 10-12
- ✦ T42 No artificial aging. Material will be soft. Webster reading 2-3. Will naturally age over time and become hard.
- ✦ Stabilize Heat treat at 365 degrees for three hours. Metal will be bendable, but will not harden any further over time. Webster reading 7-8.

## Finishing

- ✦ Brite Dip Anodizing Silver, Black, Gold, Nickel. Maximum Length: 16'
- ✦ Acid Etch Anodizing Silver, Black, Gold, Nickel. Maximum Length: Solids: 20' Hollows 18'
- ✦ Mechanical Finishing Buff Maximum Length: 20' Brush Maximum Length: 14'

## Briteline Production, Design Services

- 01 AutoCAD design assistance
- 02 Die Shop on-site
- 03 Extensive selection of standard dies
- 04 Fabrication expertise.



# Extrusions

From building and construction, to lighting, transportation and retail display, Briteline Extrusions has a reputation for extruding high quality small shapes on our 6" circle size presses. Our on-site Die Shop maintains tooling for over 6,600 dies; half are custom dies designed for specific customers. The other half are standard dies available for use by anyone.

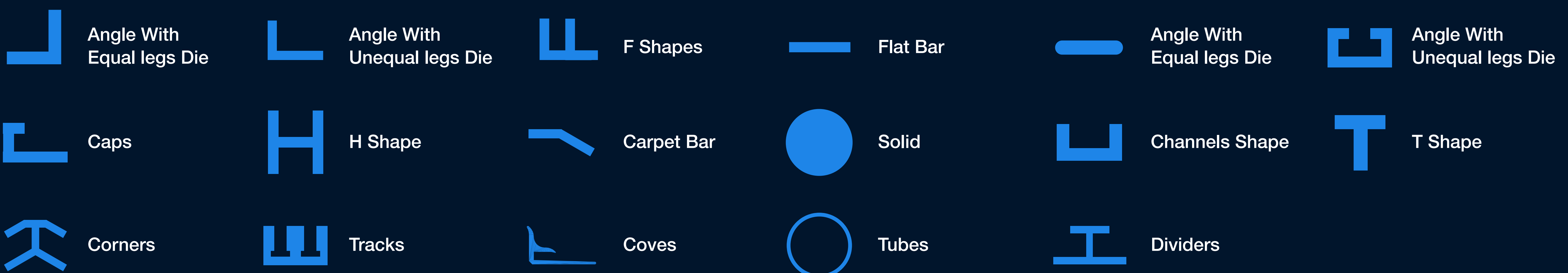


## Custom Dies

When you have a need for a unique shape, let us help you from the very start. Our Sales Team is backed up by design engineers and experienced extrusion tool and die professionals. The more we know about your part, its application, and any mating parts, the better we can assist you. Lead time for a solid die to be made is two weeks after we receive your signed die proposal print. A hollow die will take three weeks to construct. Once you approve the die sample, orders usually take 4 weeks to produce

## Standard Dies

If you need a basic extruded shape like a flat bar, angle, tube or channel, take a look through the standard dies we maintain. Minimum order quantity is 500 pounds per die. Lead time for orders is usually 4 weeks. We do not have samples for our standard dies, and we do not stock the extrusions. All purchase orders are made to order.



# Anodizing

Anodizing is an electrochemical process that forms a durable oxide coating on aluminum. The anodic coating is part of the metal but has a porous structure that allows secondary infusion, such as coloring.



## Most popular anodizing finishes we offer

### Brite Dip Anodizing

- ✦ 200 Buff R5 Brite Dip Silver
- ✦ 214 Brushed Nickel
- ✦ 215 Buff R5 Brite Dip Black
- ✦ 203 Buff R5 Brite Dip Gold
- ✦ Mill Brite Silver / Gold / Black / Nickel (No Buff)

### Acid Etch Anodizing

Acid Etch provides a more matte finish than alkaline etch and helps conceal surface defects. Because it has a low aluminum removal rate, it is environmentally friendly.

- ✦ 200 R1 Matte Silver
- ✦ 203 R1 Matte Gold
- ✦ 215 R1 Matte Black

## Mechanical Finishing

In addition to chemical finishing, Briteline offers the following mechanical options:

- ✦ Brushing
- ✦ Buffing
- ✦ Sanding

## 20' Anodizing Line

### Anodizing Tank Size and Finishes

#### *Brite Dip finishes:*

- ✦ Can be anodized up to 16'

#### *Acid Etch Finishes:*

- ✦ Solid Extrusion Shapes can be anodized to 20'
- ✦ Hollow Extrusion Shapes can be anodized to 18'

## Benefits of Anodizing

- ✦ Increased Durability
- ✦ Pleasing Appearance
- ✦ No Chipping, Peeling, or Flaking
- ✦ Easy to Maintain

***Ask us about anodizing your material!***



## Powder Coat

Powder coating administers a fine powder of coloring agents that, when heated, fuse to the aluminum to form a continuous coating. Briteline Extrusions runs both an automated line and a hand booth operation designed to handle material up to 14 feet in length.

### Benefits of Powder Coating

- ✦ Tough
- ✦ Attractive
- ✦ Durable
- ✦ Scratch-resistant
- ✦ High quality
- ✦ Colorful
- ✦ Versatile
- ✦ Long-lasting

### Automated Line

Our Nordson Powder Coating equipment with iControl offers repeatability and consistency from order to order.

Ten computer-controlled powder coat guns allow better transfer efficiency and more consistent film thickness. Encore powder pumps and Nutro reciprocators are part of our automated line.

### Stock and Custom Colors

Briteline purchases stock and custom powder coat colors from the top suppliers in the country. Powder coat inventory is kept in a temperature-controlled room.

# Fabrication

Briteline Extrusions offers the advantage of single sourcing extruded, finished, and fabricated parts for our customers. Our experienced Fabrication team is ready to assist you on your next project!



## Manual Fabrication

- ✦ Brake presses
- ✦ Drills
- ✦ Chop saws
- ✦ Miter saws
- ✦ Deburring machines
- ✦ Milling machines
- ✦ Band saws
- ✦ Lathes
- ✦ Surface grinders
- ✦ Punch presses
- ✦ Jigsaws
- ✦ Drill presses
- ✦ End forming machines

## CNC Machining Center

We offer precision machining with our Elumatec SBZ 130 CNC Profile Machining Center. Its 22 foot bed with twin 10 foot long machining sections allows parts to be machined while setting up for the next job. The Elumatec has a length measurement system that allows it to hold fabrication tolerances from either end of the extrusion.



#### ADDRESS

Briteline Extrusions  
575 Beech Hill Road,  
Summerville, SC 29485

#### PHONE & FAX

Phone: (843) 873-4410  
Fax: (843) 873-8129

#### WEB & MAIL

Email: [info@briteline.net](mailto:info@briteline.net)  
Web: [www.briteline.net](http://www.briteline.net)