



Profile Precision Extrusions

Profile Precision Extrusions(PPE) is a leader in small, thin miniature extrusions. For 20 years, PPE has focused exclusively on producing the thinnest, lightest, most complex custom aluminum extrusions and aluminum tubing that engineers from over 50 industries have designed.

Capabilities

Aluminum Alloys: 3000 & 6000 series up to 3 ½" circle size. 2000 & 7000 Series for solid geometries only with a maximum circle size of 2-1/2". Custom and other alloys will be considered upon request.

Circle Size: Up to 3-1/2" circle size

Weight: As light as 0.0015 lbs/ft.

Tolerances: As low as +/-0.001". Bow, twist, straightness and flatness down to 1/2 commercial tolerance.

Wall Thickness: As thin as 0.015"

Quality: ISO 9001-2008 Registered



Secondary Services

Fabrication:

- Precision cutting (+/- 0.005")
- Punching, Milling, Drilling
- CNC Machining
- Hand and Tumble Deburr.
- Centerless Grinding

Finishing:

- Anodizing in Clear, Satin (type II), Hard coat (type III), and brite dip.
- Clear & yellow Chemical Conversion.
- Chem Film (RoHS compliant)
- Powder Coat Paint

Thin Wall Tubing

- Extruded tubing down to .010 inch thick wall!
- Regular wall thicknesses from .020 - .040 inches.
- NO minimum order size. Order quantities from 20 – 20,000 ft.
- Tolerances OD +/- .003", ID +/- .001"
- OD tolerances of as tight as +/- .0005" by centerless grinding



Markets

- **Medical:** Trocar tubes, Laparoscopic Handheld Instruments, Stethoscopes, Portable Oxygen Systems
- **Aerospace & Satellites:** Cooling Systems, Heat Pipes
- **LED Lighting:** Heatsinks
- **Commercial:** Road Bicycles & Mountain Bikes and Linear Rail Systems

www.ProfilePrecisionExtrusions.com

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