

EXPERIENCE
FORMS INNOVATION



voestalpine RFC Aerospace
www.voestalpine.com/RFC

voestalpine

ONE STEP AHEAD.

A GLOBAL LEADER IN METAL FORMING AND MACHINING

Located in Shelbyville, Kentucky, RFC Aerospace has been shaping innovations that shape our world since our founding in 1947. We are proud to be under the umbrella of voestalpine AG, a global leader in metal processing technologies. With a worldwide network of specialized and flexible companies producing top-quality products and system solutions, voestalpine AG offers a unique combination of material and processing expertise.

voestalpine AG

50,000

Employees

500

Companies

50

Countries

5

Continents

15

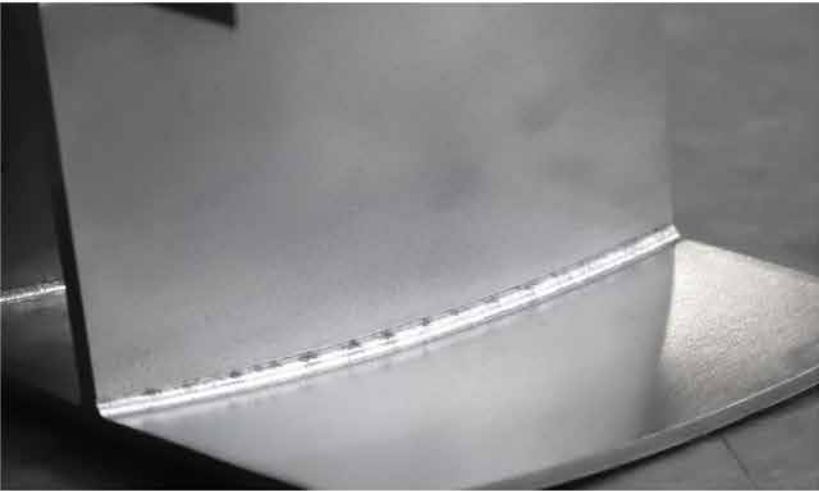
Billion Dollars
in Revenue

RFC Aerospace benefits from voestalpine AG's substantial investment in research and development, which sparks innovation and drives continuous improvement to keep our customers one step ahead in today's evolving, competitive aerospace marketplace. Producing components in a true one-part flow means an optimum manufacturing process for state-of-the-art profiles the aviation industry can count on.

Core Competencies

- 3, 4, and 5-Axis Machining
- Roll Formed Profiles
- Solution Heat Treatment
- Stretch Forming
- Artificial Aging
- Variable Gauge Forming - Taper and Roll Reduce
- Laser Welded Titanium
- Thermal Processing
- Contouring (3 and 5-Axis)
- Joggle (Hot and Cold)
- Precision Sheet Metal
- Precision Holes

EXCEEDING AVIATION STANDARDS FOR PERFORMANCE AND SAFETY



With extensive roll line capabilities and adjacent technologies to meet high-capacity, high-quality demands, RFC Aerospace brings the kind of value to the supply chain no other provider can offer.

Including titanium,

we laser weld several miles of structural steels and high strength low alloy steels per month creating durable lightweight components that exceeds aviation standards for performance and safety.



Certifications and Compliance

- AS9100 Rev D
- ISO 9001: 2012
- BAC 5975- Fusion Welding
- BAC 5439- Ultrasonic Inspection
- BAC 5686- Laser Beam Welding of Titanium
- BAC 5602- Heat Treat
- BAC 5423- Dye Penetrant Inspection
- Boeing Delegated Source Inspection
- Boeing D6-51991 DPD/MBD Approved
- NADCAP- Welding
- NADCAP- Heat Treating
- NADCAP- Non-Destructive Testing
- ROHS, WEEE Environmental Compliance
- Spirit Delegated Source Inspection



FROM RAW MATERIALS TO FORMED AND CONTOURED PARTS

The most respected names in aviation rely on RFC Aerospace for durable, lightweight components that meet exact standards for performance and safety across the commercial, biz jet, military and rotocraft market segments.

Material Expertise

- Ti 6-4 and Ti 15-3-3-3
- Aluminum 2024, 7055, 7075
- Al-Li2090
- Stainless Steels
- Inconel
- Hastelloy

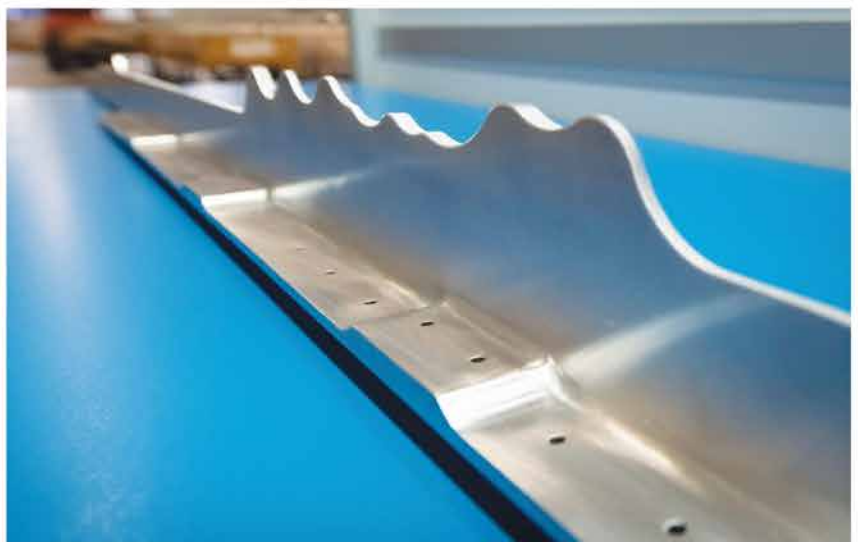
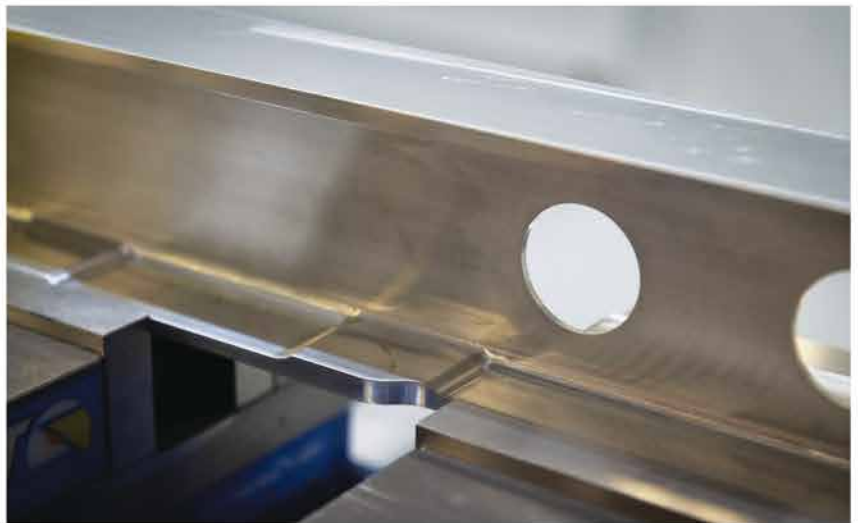


PRECISION MACHINING AND LONG PART CAPABILITIES

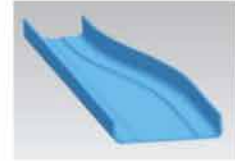
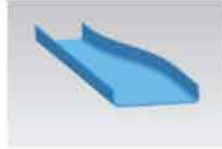
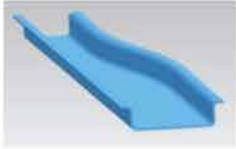


5-Axis CNC High Speed Machining Center

- Table: 53" x 239" with 40' part capability



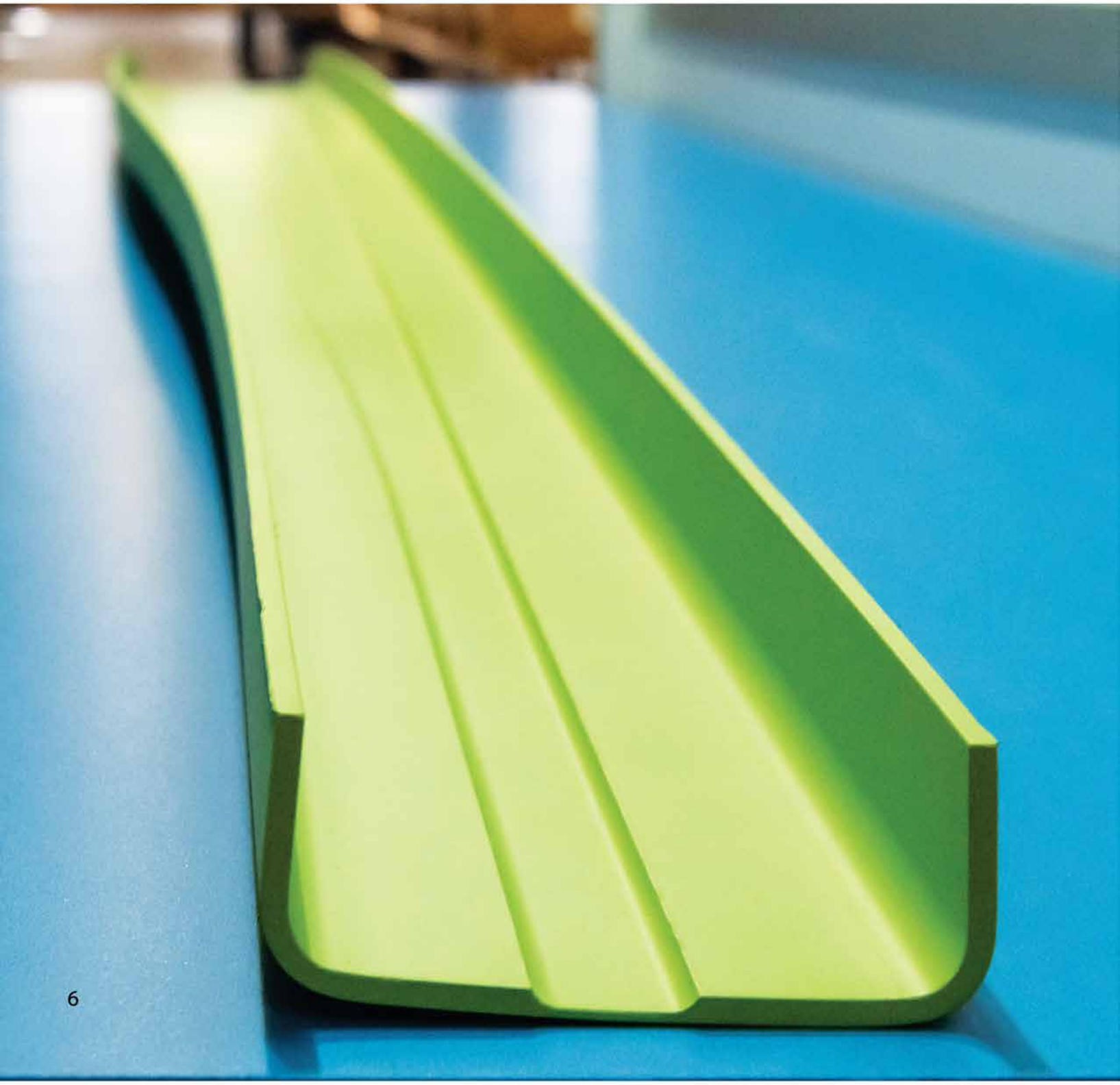
VARIABLE HEIGHT AND THICKNESS

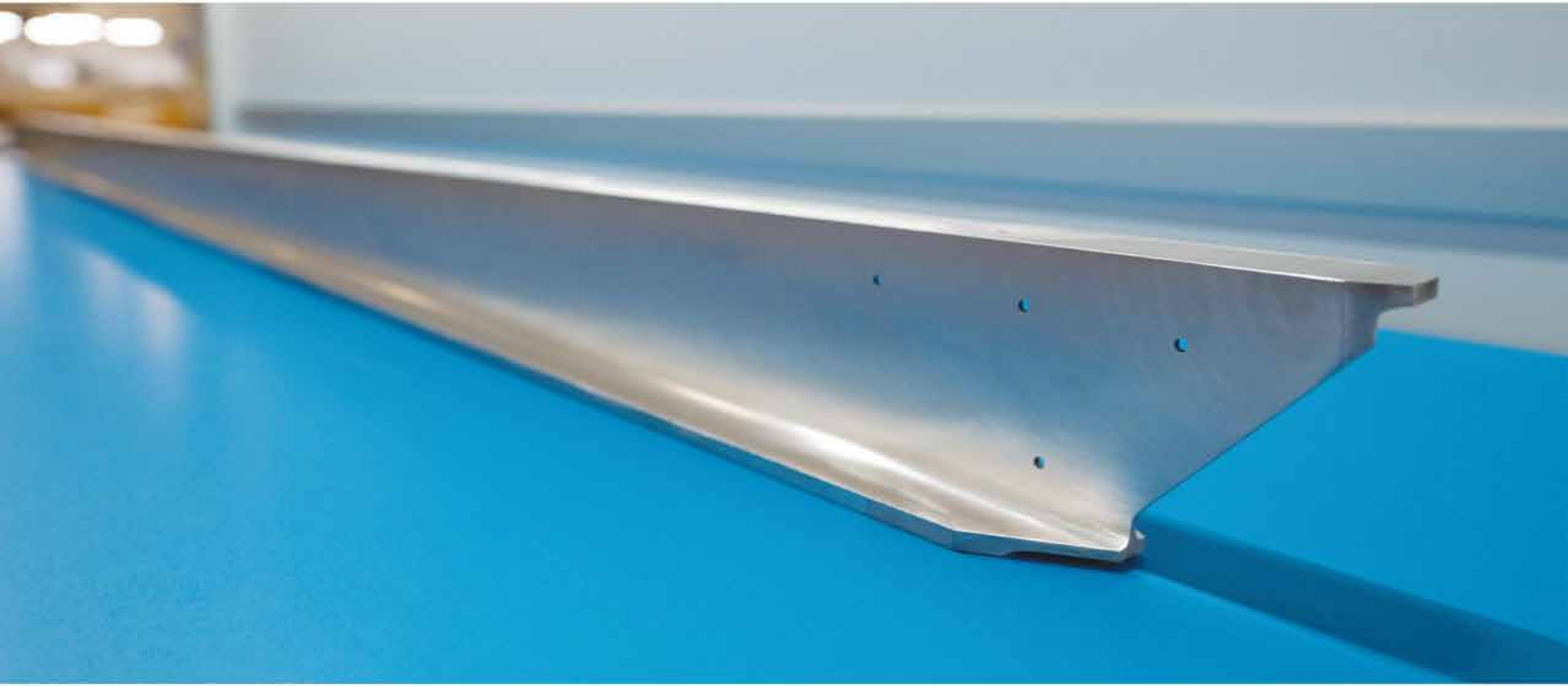


- 3D Roll Forming Producing Variable Height Profiles

- C-Channels, Zees and In-Line Contoured Profiles

- Reducing Buy to Fly Ratios and Assembly Time

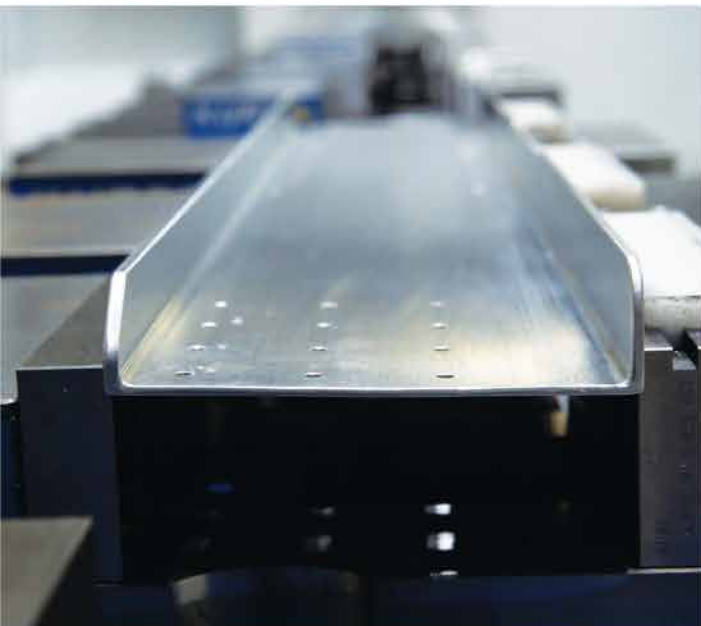




COMPLETED COMPONENTS READY TO INSTALL ON AIRCRAFT

Products

- Titanium Seat Track
- Titanium Floor Supports
- Leading Edges
- Frames
- Chords
- Stringers
- Engine Rings
- Machined Extrusions





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With over 60 years of experience working in partnership with leading aircraft manufacturers, voestalpine RFC Aerospace has pioneered the development of new materials to improve the performance and lifespan of legacy aircraft. Our in-house specialized services, including laser welding of titanium, allow us to work collaboratively with our airline partners to create the exact profile they need to meet each application's requirements.

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