Arconic’s Advanced Thick Plate Stretcher enables new design options for customers in aerospace and increased productivity for industrial applications.

How does the Stretcher work?
Stretching is the final stage in manufacturing thick aluminum and aluminum-lithium plate, and it is essential because it reduces stress that is introduced into the process. It enables customers to machine the plate with greater precision and dimensional stability.

What does this mean for customers?
- Improves performance of thick aluminum and aluminum-lithium plate in fuselage frames and bulkheads as well as manufacturing molds and chambers
- Enables aerospace industry’s largest high-strength monolithic wing ribs
- Provides increased productivity for industrial applications including plastics and semiconductor manufacturers
- Offers design freedom for aerospace manufacturers

Multiple World Records
- Longest Plate Stretched at >26 YARDS
- Widest Plate Stretched at >14 FEET
- Thickest Plate Stretched at >12 INCHES
- Heaviest Plate Stretched at >40,000 LBS.

Greatest Stretcher Pull Force Ever Used at 35 MILLION LBS.
That’s a pull force equal to 550 modern locomotives.