

# Jonal Laboratories Capability Summary



CAGE Code: 24664; NAICS Code: 326291 (Elastomer Manufacturer); DUNS#: 004531083; ISO 9001/AS9100 Rev C; DDTC#: M23874; SAMS# M1A2H3452.

Hub zone based (certification in process) US Small Business; Meriden, CT; 75 employees; 50,000 sq. ft. manufacturing space.

Established in 1965, Jonal is a privately held S Corporation owned by the 3rd generation of the Marc Nemeth (President) family.

## Core Values:

- Provide a quick response to our customer's needs, emphasizing continuous improvement of operations, quality and on-time delivery. 99%+ Quality/On-Time Delivery over a base of more than 100 customers.
- Committed to innovation – working to link our processes to the future direction of our customers.
- Our top priority is to align all of our efforts to add the maximum value to the supply chain we share with our customers.
- Treat customers and suppliers as partners - our highest aspiration is to completely align our goals with our customers' goals.
- Provide respect, appreciation and resources for our employees' self-development, for they are our most valuable asset.
- Provide leadership to ensure a safe and environmentally sound work place.
- Adopt a business strategy that stresses the long term nature of our relationship with our customers and the viability of Jonal.

Jonal is a custom researcher, developer and manufacturer of elastomeric sealing solutions with in-house research and engineering capabilities (including CATIA software) supplying a broad range of elastomeric products for the military and commercial aerospace and industrial markets. Products range from standard O-rings to custom-designed complex molded shapes, fabric reinforced seals, thin-walled diaphragms, aerodynamic and platform seals, rubber-to-metal bonding, silicone extrusions, polyurethane foam and EMI/RFI shielding products. Jonal has been working with our customers to develop new and unique aeronautical and aerospace products for over 50 years.

Jonal molds complex shapes that incorporate a variety of fabric reinforcements and metallic inserts. Products include: diaphragms for pressure regulating and fuel control, accumulators for hydraulic systems, aerodynamic and environmental seals with special properties such as flame retardance, wear resistance, electrical conductivity and high strength under centrifugal loads. Jonal can bond a variety of elastomers to metallic and non-metallic substrates, including aluminum, stainless steel, titanium, plastics and composites. We assist in the design and coordinate the manufacturing of all necessary tooling for your application. Jonal provides samples and prototypes with a fast turnaround time and competitive price.

Jonal is vertically integrated, compounds its materials in-house and has developed over 5000 custom material formulations. Elastomers such as silicone, fluorosilicone, fluorocarbon, urethane (millable, foam), nitriles, chloroprene, butyl, ethylene-propylene, and styrene-butadiene are among the many materials used in our products. Jonal meets standard AMS, ASTM, and military specifications, and can formulate specialty elastomers to meet specific requirements for extreme temperature and pressure ranges, fluid or ozone resistance, vibration damping, thermal/electrical resistance or conductivity, EMI/RFI shielding, low friction and gas impermeability. Jonal's team has developed several fluorosilicone and fluorocarbon formulations that became the basis for AMS specifications. Our high modulus fluorosilicone became the basis for the requirements of AMS7273. Our test lab is capable of determining the physical, rheological, thermal, and fluid resistance properties of materials per ASTM and other test methods.

Jonal's team of engineers, senior leadership, chemists, and operations and quality management personnel have hundreds of years of combined hands-on experience with all types of elastomers and processes associated with the rubber industry.

## Customers and Programs supported directly by Jonal Laboratories (highlights):

- Boeing, Airbus, Pratt and Whitney, Embraer, UTAS, Raytheon, GE, Adel Wiggins, Triumph, II-VI, Maney Aircraft, MTU Aero, GKN, DuPont, Kale, Rolls Royce, FACC, MHI, KHI, IHI, Sumitomo, DLA, Sikorsky, General Dynamics, US Army, SNC, BAE, Ametek (Snecma), Eaton, Parker Aero, Meggitt, Cobham, Fuji, Honeywell, Kaman, L-3, Lockheed, Mecachrome, Northrop Grumman, Pall Aero, Trelleborg.
- F-15, F-16, F-22, F-35, KC-135, KC-46; Various Boeing, Airbus, Embraer, Bombardier commercial and military aircraft; Black Hawk, Apache, CH-53K; Dream Chaser, EMU Spacesuit, ISS; AMRAAM, Sidewinder, Sparrow, CMWS, Hawk, and Patriot missiles; M1 Abrams tank; Geared Turbo Fan and LEAP (and many legacy) engines.
- Additive Manufacturing Program for steel production tooling and quick turnaround rubber prototypes.
- High Temperature elastomer material research – current best in industry elastomer at 600 degrees F in continuous operation.

Considering our capabilities and history, Jonal is a valuable resource and partner for any OEM competing in the aerospace industry.