

**JONAL**  
LABORATORIES

## Specialty Elastomeric Products and Sealing Solutions

Sealing the Deal Since 1965

# About Jonal

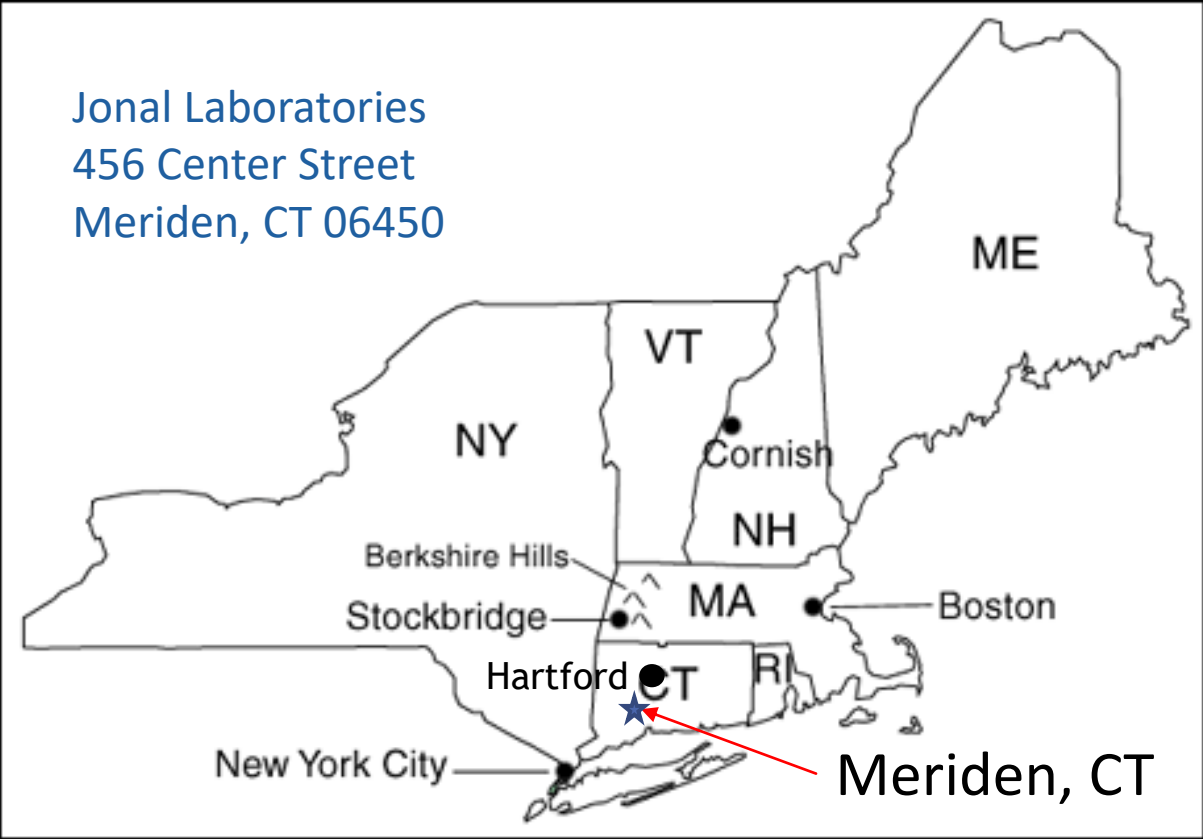
Jonal is a third-generation family-owned business established in 1965 as a build-to-print small part compression molder. The company has grown to become a custom developer and manufacturer of the highest-level level elastomer sealing solutions.

Jonal has in-house chemistry and engineering capabilities to support customer design needs and to produce a broad range of elastomeric parts for the aerospace, military, and industrial markets.

Jonal's products range from standard items to custom designed complex molded shapes, fabric reinforced seals, thin-walled diaphragms, aerodynamic and platform seals, rubber-to-metal bonding, silicone extrusions, and EMI/RFI shielding products. Part sizes range from a few millimeters to 4 meters.



# Location



By Car - 2 hours to NYC; 2 hours to Boston

# Vision

To be internationally recognized as the “go to” company for practical elastomeric technology and manufacturing. Continue to develop high value products using our design and engineering expertise to benefit our partners for their most demanding sealing needs.



# Guiding Principles



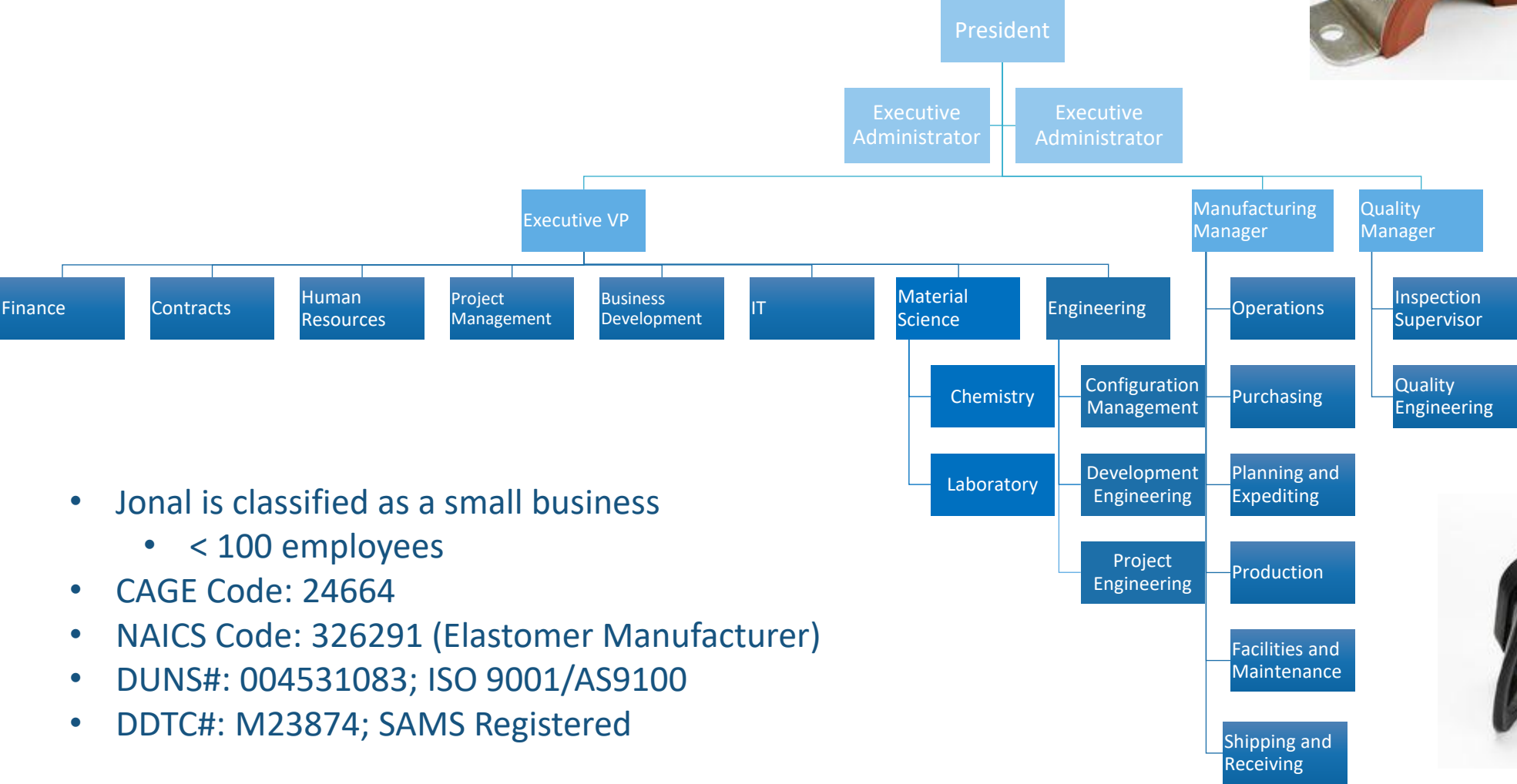
- Treat customers and suppliers as partners
- Committed to a rapid response to our customer's needs
- Dedicated to providing exceptional, and continuously improving, quality and on-time delivery
- Committed to innovation – working to link our processes to the future direction of our customers
- Pledged to administer a business strategy that produces profits and ensures the long-term viability of the company
- Respect and appreciate every employee (our most valuable assets) by:
  - Providing leadership to ensure a safe and environmentally sound workplace
  - Providing resources for training and encouraging everyone's self-development

# Everything Starts With The Customer

- Detailed planning and perfect execution are key to our successful operation. Knowing completely the customer's requirements and expectations before the contract is awarded is essential to delivering our full value as a partner
- Cell oriented operations based on lifetimes of manufacturing experience, relentless process improvement and functionally integrated planning
- High level of administrative and manufacturing processes



# Organization



- Jonal is classified as a small business
  - < 100 employees
- CAGE Code: 24664
- NAICS Code: 326291 (Elastomer Manufacturer)
- DUNS#: 004531083; ISO 9001/AS9100
- DDTTC#: M23874; SAMS Registered



# Facilities



Main Facility (Facility #1)  
456 Center Street  
Meriden, Connecticut, USA  
41,000 sq. ft. manufacturing floor space



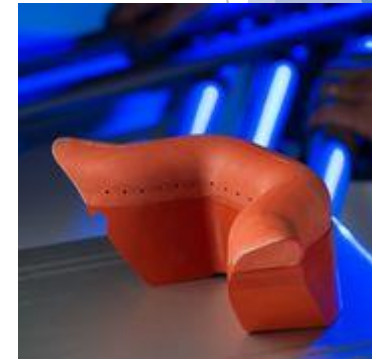
Pratt Street Facility (Facility #2)  
290 Pratt Street  
Meriden, Connecticut, USA  
11,000 sq. ft. manufacturing floor space

- Research Parkway (Facility #3) – Newly acquired – 23,000 sq. ft.
- Made in USA – All design and manufacturing done in Connecticut USA



# Manufacturing

- On time delivery
  - Near perfect history
- Capacity
  - Main Facility - 75% capacity utilized over 1 shift
  - 2nd Facility - 25% capacity utilized over 1 shift
  - 3<sup>rd</sup> facility - TBD Based on customer requirements
  - Presses up to 2-meter by 2-meter square and 4-meter length
  - Internal material compounding
- Continuous Improvement
  - Kanban
  - Visual scheduling and signaling
  - Industry 4.0
    - Focus on interconnectivity, automation and real-time data
  - ERP Functional integration



# Quality

At Jonal Laboratories, we are committed to quality and have extensive experience meeting AMS, ASTM, MIL-Specifications and the most demanding proprietary company specifications.

- Near perfect quality metrics
- ISO 9001:2015 / AS9100  
Registered by ASR  
(Certificate #6581)
- MIL-I-45208
- Customer specifications





# Quality System Certification



**American Systems Registrar, LLC**, a provider of third-party system registration and accredited by the ANSI National Accreditation Board under the Aerospace Registration Management Program, in accordance with SAE AS9104/1 (2012-01), attests that:

## **JONAL LABORATORIES, INC.**

**CENTRAL FUNCTION:**  
**456 CENTER STREET**  
**MERIDEN, CT 06450**

**SCOPE: MANUFACTURE OF ELASTOMERIC PRODUCTS FOR THE AEROSPACE, MILITARY AND INDUSTRIAL MARKETS**

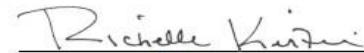
**ADDITIONAL LOCATION ON CAMPUS:**  
**290 PRATT STREET**  
**MERIDEN, CT 06450**

**LOCATION SUBSCOPE: MANUFACTURE OF ELASTOMERIC PRODUCTS FOR THE AEROSPACE, MILITARY AND INDUSTRIAL MARKETS**

has established a quality management system that is in conformance with the International Quality System Standard

## **AS9100D & ISO 9001:2015**

ASR Certificate Number:	6581
Certificate Structure:	Campus
Date of Certification:	November 3, 2020
Date of Certification Expiration:	November 2, 2023
Date of Initial Registration:	February 23, 2009
Revision:	
Re-issue Date:	

  
President

## **CERTIFICATE OF REGISTRATION**

# Material Science

- New material development
- Existing material improvement
- Formulate and mix compounds to achieve unique solutions.
  - Over 6000 custom formulations for customers so far.
- Mechanical and Environmental testing
  - In house and vendor support
- Material Types - Not exhaustive
  - Neoprene
  - Butyl
  - Ethylene-propylene (EPDM)
  - Natural rubber
  - Styrene-butadiene (SBR)
  - Silicone
  - Fluorosilicone
  - Fluorocarbon
  - Urethane
  - Nitrile
  - Polymer blends



# Research & Development

- Research is in Jonal's DNA
  - Founder was a Dupont Research Chemist
  - An important value we provide our customers
  - Align R&D activities to improve and benefit our customers and our manufacturing operations
  - Areas of Focus
    - Material Research
      - High Temperature
      - FEA
      - Customer driven
    - Robotics and Automation
      - Low skill repetitive operations
      - High touch operations
    - 3D printing
      - Tooling and Fixtures
    - Operational Improvements



# Customers



GKN AEROSPACE

**NORTHROP  
GRUMMAN**



GE Aviation



**II-VI** OPTICAL SYSTEMS



**GENERAL  
DYNAMICS**  
Electric Boat



**BOEING**



**Collins  
Aerospace**

**Raytheon**

# Seals on significant airframes, engines, aircraft, spacecraft and submersible systems.







# Vulcanized Bonding

- Elastomer-to-metal bonding
- Specialty elastomer formulations that are electrically conductive and can be used in conductive seals and EMI / RFI shielding for military systems
- Bonding all types of elastomers to custom shapes
  - Materials include stainless steel, aluminum, titanium, composites, and plastics



# Reinforced and Non-Reinforced Seals



- Bulb seals, slat seals, flap seals, wiper seals, door and window seals
  - Sizes up to 2-meter X 2-meter square and 4-meter length
  - Metal, plastic, fabric, specialty reinforcements

# Choose Jonal Laboratories



FIFTY YEARS OF  
ELASTOMERIC EXCELLENCE

50  
JONAL  
1965  
2015

**WHAT MAKES JONAL...**

- Customer Service
- Quality
- On time delivery
- Value added to the shared supply chain

**MADE IN AMERICA**



**Shipped World Wide**



AUSTRIA CANADA CHINA GERMANY GREECE ISRAEL ITALY  
JAPAN MEXICO POLAND SCOTLAND SOUTH KOREA SPAIN UNITED KINGDOM

- Fifty-five plus years of experience in elastomeric parts
- Our commitment to meeting or exceeding your expectations for elastomer product performance and customer service.
- Versatile and cost-efficient manufacturing techniques that enable us to respond on time within budget
- Diverse workforce of highly-skilled and experienced technicians and craftspeople
- Continued growth and success due to our commitment to quality, utilization of technology and increased efficiency through lean manufacturing

# Contact Persons

## Contracts:

Ms. Daisy Dzierlatka

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203/634-4444 ext. 191

## Project Management:

Mr. Dan Levine

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203/634-4444 ext. 127

