



An Industry Leader in

# SAFETY SEALING AND ATTACHMENT SOLUTIONS

**Lamons**<sup>™</sup>  
MANUFACTURING AND SERVICE CO.

LAMONS.COM



# A GLOBAL LEADER IN GASKET, FASTENER, AND HOSE MANUFACTURING

Since 1947, Lamons® has been producing safety sealing and attachment solutions for a wide variety of critical industries across the globe. As a leading manufacturer of gaskets, fasteners, and hoses, we provide quality products, on-time delivery and exceptional customer service to keep your operations running 24/7/365.

Now, as the world undergoes a major energy transition, our engineered solutions will be more important than ever in bridging critical gaps in performance, durability and reliability.

When you need quality products on time to keep production moving and your team safe, Lamons has the solution.

Lamons...manufacturing today for the industries of tomorrow.



## OUR FOCUSED-MANUFACTURING APPROACH

- Provide a one-stop resource for safety sealing and attachment solutions
- Deliver continual improvements in our products and services
- Emphasize safety in all our facilities
- Adhere to sustainability best practices
- Lower our carbon footprint whenever possible





## THE INDUSTRIES WE SERVE

### CHEMICAL

- Petrochemical
- Chemical Processing
- Pharma & FDA
- Plastics

### ENERGY

- Refining
  - Upstream
  - Midstream
  - Downstream
- Power Generation
- Renewable Energy
  - Wind
  - Hydro
  - Geothermal
  - Alternative Fuels

### ENGINEERING, PROCUREMENT AND CONSTRUCTION

### HYDROGEN

- Production
- Storage
- Transportation
- Distribution

### MANUFACTURING

### METALS AND MINING

### TRANSPORTATION

- Rail
- Automotive
- Marine

### WATER AND WASTEWATER



**Sustainability** is one of our core values. We have renewed our pledge to employ sustainability best practices to safeguard our world's natural resources. As the energy transition progresses, we pledge to strictly adhere to this principle. That is our commitment to ensure a better world for future generations.



# QUALITY PRODUCTS THAT SPEAK FOR THEMSELVES

At Lamons, our mission is to provide industry-leading safety sealing and attachment solutions through our quality engineered products, technical know-how, and exceptional customer support. We understand that product knowledge is power, so we offer comprehensive field services and training programs that allow you to maximize operational efficiencies and experience predictable and repeatable successes.

## FASTENERS

As a major bolt and fastener manufacturer, we can support any job with our large inventory of specialty bolts, fasteners, threaded bar stock, and related hardware available in a wide range of alloys and sizes. Our internal quality lab is qualified to ISO 17025, and our quality and testing procedures include positive material identification (PMI), ultrasonic testing (UT), magnetic particle inspection (MPI), and liquid penetrant inspection (LPI).

We stock common-sized standard fasteners at all of our branches, including our headquarters in Houston, TX. Our branch inventories are diligently maintained by our Supply Chain planning group to ensure that inventories never drop below minimum thresholds. This allows us to address emergency orders locally and regionally and provide on-time deliveries to keep your operations running. Whether it's large or small quantities, or simply a one-off, we can deliver what you need.



### COMMON FASTENER MATERIALS

- Carbon steels and steel alloys (1018, 4140, 4340)
- Stainless steel (304, 316, 2205, 17-4PH)
- Nickel alloys (718, 625, C276)
- Titanium (6-4)
- And other specialty grades



## Our Offerings Include:

Standard studs | Standard bolts | Specialty bolts | Intelligent bolts | Nuts

### Roll Thread

- 1/4 – 2 1/2" diameter (6.35 – 63.5 mm)
- Double ends
- Fully threaded
- UN, UNC, British, buttress, and metric threaded

### Cut Thread

- 1/4 – 3" diameter (6.35 – 76 mm)
- Double ends
- Fully threaded
- UN, UNC, British, buttress, and metric threaded

### CNC Capability

- Lathe and mill
- Single-tool thread
- Outside diameter (OD) groove
- Internal thread
- Reverse engineering solutions
- Manufactured per print
- Full material traceability

### Common Coatings

- Mechanical galvanized
- Zinc
- Cadmium
- Dichromate
- Nickel-cobalt
- XYLAN

### Benefits of Coatings

- Protection from rust and corrosion
- Optimal lubrication
- Abrasion resistance
- Chemical resistance

## Overview of Our Capabilities:

Product Type	Minimum Diameter	Maximum Diameter	Maximum Length	Quantities of Machines	Production Available (Shifts)
Standard Bolts	1/8" (3.175 mm)	6" (15 cm)	12' (366 cm)	10	2
Specialty Bolts	1/8" (3.175 mm)	22" (56 cm)	40" (102 cm)	24	2

For fasteners, we are certified for ISO 9001:2015, ISO 17025 and API 2OE and 2OF.





## GASKETS

We provide a wide array of proven gasket solutions for a multitude of industries and applications – from high temperature, high pressure, corrosive and hazardous liquids to flange isolation and low temperature (including cryogenic), low pressure scenarios. We can provide the standard and exotic metal alloys you need, along with industry-leading filler materials to ensure optimal sealing performance.

### Our Gasket Types Include:

- Spiral wound
- Kammprofile
- Heat exchanger
- Ring-type joint (RTJ)
- Corrugated metal
- Jacketed metal
- Flange isolation kits
- Thin blinds
- Sealing plugs
- PTFE and elastomers
- And more

### Signature Gaskets:

#### **LAMONS DEFENDER HF**

Lamons® Defender® HF gaskets have patented, integral, and unique Kammpro® metallic cores designed to offer high-integrity primary and secondary sealing components across the flange sealing surface from the OD of the sealing area to the bore. The inner sealing surface is faced with a premium ePTFE to seal against acids, like hydrofluoric acid (HF), and potentially fill voids from prior corrosion.



#### **LAMONS CORRUKAMM**

Lamons® CorruKamm® has a revolutionary design that provides the benefits of Kammprofile and CMG technologies with the additional attribute of recovery that offsets flange relaxation and unloading. It combines the proven concepts of a Kammprofile and a corrugated design to achieve increased performance. Its machined profile provides maximum stability, recovery, resiliency, deflection, and conformance.





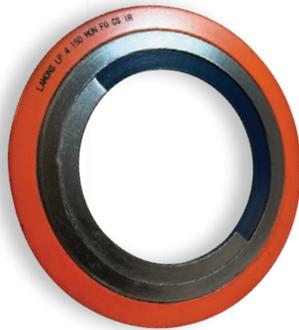
## SPECIALTY MACHINED PRODUCTS

Lamons maintains over 30 state-of-the-art computer numerical control (CNC) machines. Our programmers and machinists deliver high-quality, machined components with one of the quickest response times in the industry.



### LAMONS SPIRASEAL WRI-LP

Lamons® SpiraSeal® WRI-LP is designed to engage the sealing surfaces of flanges completely from the OD of the sealing area to the bore. This field-proven design provides protection to flange facings and an effective seal. It is recommended for use in new and undamaged flange facings. Various winding, core, and facing materials are available for corrosion resistance.



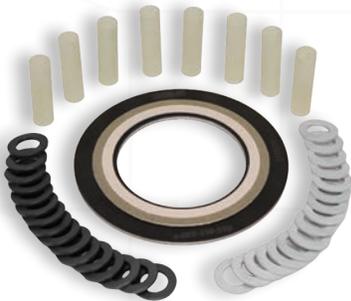
### LAMONS KAMMPRO ADAPTER

Lamons® Kammpro® Adapter gaskets allow for the ring-type-joint flanges to be mated up to raised-face flanges, utilizing the strengths of the solid metal core with the added benefits of a Kammprofile sealing surface laminated with flexible graphite. Provided the pitch of the groove is sufficiently located under the raised face, the design is among the most robust of adapter styles.



### LAMONS-ISOTEK DEFENDER FS

Lamons-IsoTek® Defender FS® is an isolation gasket designed for fire-safe, extreme, high-reliability sealing and electrical isolation in critical-service applications. Designed to withstand the rigorous API standard 6FB (third edition) test, it provides a solution for electrically isolating the flange and protecting against fire in and around the flange. This gasket also works well in highly volatile media applications.



### LAMONS MATRIX CPG

Lamons® Matrix® CPG™ is a superior performance, biaxially-orientated PTFE gasket with a corrugation profile that provides low leakage at minimal load. The high- and low-density concentric rings across the sealing area achieve a consistently low leak rate, making it ideal for glass-lined, plastic, and fiberglass-reinforced plastic (FRP) flanges where high gasket stress is not possible.





## HOSES

For high-performance, high-quality, custom hoses, fittings, replacements, and welded components, Lamons can deliver what you need, when you need it. Since our products are fabricated and distributed out of four U.S. locations, we are extremely flexible in handling large, small and custom orders with extreme ease and care. We also provide engineered and tailored solutions that you cannot always get from the larger hose manufacturers that focus on moving off-the-shelf products and large-quantity orders.

Hoses are a critical aspect of our sealing and attachment solutions portfolio. By offering customized hoses and fittings, along with a variety of gaskets and standard and specialty fasteners, we are a true one-stop resource that delivers quality products on time.

We ensure performance and durability in our hose products through non-destructive testing (NDT) and certification, failure analysis, on-site application analysis, and field engineering.



### Lamons Offers a Variety of Hoses for Different Applications:

- Composite hoses | Flexible metal hoses
- Fluoropolymer hoses | Industrial chemical hoses
- Industrial petroleum hoses | Hydraulic hoses
- Utility hoses

### Our Full Range of Services Includes:

- Positive material identification
- Product application and installation seminars
- Complete engineering support
- On-site surveys
- Approval drawings
- Vendor-managed inventory programs
- Asset tracking
- Preventive maintenance



# SMART TECH SOLUTIONS AT THE SPEED OF YOUR OPERATIONS

## eCATALOG

Streamline your purchasing process with our site-specific online ordering system. Everything is simplified — from pricing and approvals to purchasing and shipping. If you need a special quote, enter a request into eCatalog. Save your information easily and order products with one click.

## DRAWINGS ONLINE

Catalog your unique components and their reference drawings in our online, site-specific repository. Purchase components individually, or together as a kit, with part numbers and pricing updates in real time and enjoy one-click ordering through your enterprise resource planning (ERP) system.

## VENDOR-MANAGED INVENTORY (VMI)

Rely on Lamons for on-site inventories of your routine parts. Whether inventories are owned or on consignment, you can manage inventory levels, replenish stock, and track for material receipt and issue. Simplify the purchase process further by integrating our VMI with your ERP system.

## LAMONS-ISOTEK ISOTORQUE™ APP

Our industry-first mobile app for iOS and Android allows you to perform torque calculations quickly in the field, change friction factor, access instructions for isolation flange installation and test procedures, and report issues in the field.





# TECHNICAL SUPPORT AND TRAINING SERVICES

## TruFAST™ Re-engineering Services

Our Field-Acquired Seal Technology® is a custom engineering process that reproduces undocumented gaskets. By simply providing a picture of an old gasket or a flange rubbing, our engineering team, working with manufacturing, can produce a replacement gasket. Our TruFast re-engineering services often shortens the reproduction process from weeks or days to hours.

## Engineered Solutions

The Lamons engineering team provides custom, engineered solutions that deliver the right product for your application. Our products are highly reliable, expertly produced safety sealing and attachment solutions, and our extensive inventory of raw materials (including centrifugal castings, forgings, and plates) allows us to respond quickly to your projects.

## Field Support

With 21 global locations, our team is ready to assist you with troubleshooting, torque calculations, failure investigations, on-site support, bolt-up protocols, critical gasket recommendations, expert field measurements, and much more.

## Specialty-Machined Products

Lamons maintains over 30 state-of-the-art CNC machines. Our programmers and machinists deliver high-quality, machined components with one of the quickest response times in the industry.

## Value-added Benefits

Lamons provides smart technology solutions to help keep you up and running 24/7/365:

- **eCatalog eCommerce Solutions** – An advanced, highly customizable online shopping catalog that integrates seamlessly with your material requirements planning (MRP) and ERP systems.
- **Drawings Online Repository** – Paper drawings converted to electronic files with pertinent details including unit and equipment unique identifiers, kitting of components, part numbers, equipment specifics, required quantities, mechanical details for gaskets and more. Drawings online can also create custom packing slips and detailed labels.
- **Inventory Management System** – Rely on Lamons for on-site inventories of your routine parts. Whether inventories are owned or on consignment, you can manage inventory levels, replenish stock, and track material receipts and shipments with our web-based system. Simplify the purchase process even further by integrating our VMI with your ERP system.
- **Asset Tracking and Preventive Maintenance System** – A desktop and mobile application that allows you to manage your purchased assets, assign unique tracking numbers, save and recall asset-specific documents, define preventive maintenance periods, and more.

## CHEMICAL/ PETROLEUM HOSES

### Applications:

- Acids
- Chemicals
- Solvents
- In-Plant Transfer
- Chlorine
- Transportation
- Marine
- Wastewater
- Petro-Chemical
- Hydrocarbons
- High Pressure
- High Temperature
- Random Motion
- Random Motion
- Vibration
- Corrosive
- Abrasives
- Refineries
- OEM
- Steel Mills
- Paper Mills
- Power Generation



HOSE TYPE & CONSTRUCTION MATERIALS			Available Sizes (Inches)	MAWP (psl)	Temperature Range (°F)
<b>Smoothbore Teflon® SS Braided</b>	PTFE or PFA (Available as Flare-Thru/304SS Braid)	Various	1/4 - 4	Up to 4,350	-65 to 450
<b>Rubber-Covered Teflon</b>	PTFE or PFA/Synthetic Rubber, Wire Helix	Rubber	1/2 - 4	Up to 550	-65 to 450
<b>Convuluted Bore Teflon</b>	Convuluted PTFE/Polypropylene or SS Braid	Optional	3/8 - 3	Up to 1,850	-65 to 450
<b>Smoothbore Tefzel™ SS Braid</b>	Tefzel/304SS Double Braided	SS Braid	1/4 - 3/4	Up to 4,500	-65 to 450
<b>Chemical / Acid Service Hose</b>	XLPE/Textile Cord, Steel Wire Helix	EPDM	3/4 - 4	Up to 200	-40 to 250
	PEP or PTFE & XLPE backed/Textile Cord, Steel Wire Helix	EPDM	3/4 - 4	Up to 200	-40 to 300
	UHMWPE & XLPE backed/Textile Cord, Steel Wire Helix	EPDM	3/4 - 4	Up to 200	-40 to 212
<b>Petroleum Service Hose</b>	Composite - Thermo or Fluoroplastic plies (Highly Flexible)	EPDM	1 - 8	Up to 250	-40 to 212
	Rubber Compound or Nitrile (oil resistant)/Synthetic cord plies	326	1 - 6	Up to 400	-30 to 200

**Lamons**  
MANUFACTURING AND SERVICES

## Training Programs

An informed team is a safe team, and that starts with the best training. From tailored in-person training sessions to webinars, our engineers provide the knowledge needed to get the job done. We offer a wide range of topics including:

### FLANGE ASSEMBLY DEMONSTRATION UNIT (FADU)

Experience a live demonstration of bolt and gasket stress along with flange connection relaxation.

### BEST PRACTICES BOLT-UP TRAINING

Gain a better understanding of best practices for bolting up flanges and proper gasket installation.

### GASKET 101 (STANDARD)

Receive critical guidance on operation parameters for bolted joint flange gasket connection components.

### INTRODUCTION TO GASKET TYPES

Learn about non-metallic, semi-metallic, and metallic gaskets for each application in your operation.

To learn more about our services and training programs, email us at [Engineering@lamons.com](mailto:Engineering@lamons.com) or visit [Lamons.com/services](http://Lamons.com/services).

## OUR INDUSTRY CERTIFICATIONS

### ISO 9001



- ISO 9001:2015 – Houston
- ISO 9001:2015 – Canada
- ISO 9001:2015 – Denver
- ISO 9001:2015 – Singapore
- ISO/IEC 17025:2017 – Houston

### API Certification



- API Certificate – 6A Houston
- API Certificate – 17D Houston
- API 2OE Certificate – Houston
- API 2OF Certificate – Houston

### NSF Certification



- NSF Certificate – Houston
- NSF Certificate – Denver
- NSF Certificate – Matrix

## ABOUT US

Lamons is one of the leading gasket, seal, bolt, and hose assembly manufacturers in the world. Since 1947, our mission has been to provide industry-leading safety sealing and attachment solutions through our quality, engineered products, technical know-how, on-time delivery, and exceptional customer service. Understanding that product knowledge is power, we also offer comprehensive field services and training programs to help you maximize operational efficiencies.

Our 21 manufacturing branches across the globe stand ready to support your operations 24/7/365. For more information on our products and services, go to [Lamons.com](http://Lamons.com).

Lamons...manufacturing today for the industries of tomorrow.

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