



UTEX INDUSTRIES, INC.

Superior Seals Designed & Manufactured in the USA by UTEX® / ISO 9001:2015 Certified

CAPABILITIES

UTEX® INDUSTRIES, INC. PRODUCTS & CAPABILITIES

THE UTEX® MISSION:

Our mission is to **exceed** customer expectations with innovative reliable, value-added products and services when and where needed.

**ISO 9001:2015
CERTIFIED**

**VALUE ADDED
EVERY STEP
OF THE WAY.**

MATERIALS

- Rubber
- Plastics
- Urethane
- Metal

RESOURCES

- Engineering
- Chemist
- R&D Lab
- Prototype Shop
- FEA Capabilities

LEAN ENGINEERING

- Cell Concepts
- Process Mapping
- Kaizen Events
- Inventory Management Systems
- High Capacity Manufacturing



RUBBER MANUFACTURING

For over 80 years, UTEX has been in close collaboration with our customers to transform their ideas into a broad range of cost-effective rubber molding solutions—from simple I.D./O.D. rings to complex geometric profiles. Our custom rubber molding process has produced more than 5,000 unique parts that are now used in industries such as oilfield, petrochemical, medical, marine, pulp and paper facilities.

RUBBER MOLDING TECHNIQUES / CAPABILITIES

Full Range of Elastomers Processing, Including:

- Natural Rubber
- Synthetics
- Specialized Compounds

Compression

A preform is placed into the production mold and then compressed under specific temperature and pressure, based on the size and material of the finished part. Excess material, called flashing, may result and need to be trimmed at a later stage in production.

- Parts up to 78" Diameter
- Multi-Cavity Quick Change Capability
- UTEX Designed Large Volume Molding Work Cell

Injection

Heated rubber travels through an auger, where it is softened and then forced through a nozzle into the mold cavity. While in the mold cavity, the rubber will take its shape as it cools. This process is efficient and allows for quick production of high quantity parts.

- State-of-the art 450 Ton Press
- Shot Size up to 21 lb
- Parts up to 15" Diameter

Transfer

Transfer Molding is similar to compression molding yet the mold is more complex, requiring a transfer pot that has a small passage to the actual mold cavity. Rubber is placed in the transfer pot and heated prior to being forced into the mold cavity to form the molded part.

- Parts up to 24" in diameter and 8" Tall
- Efficient process by way of faster vulcanization

Rubber Processing

- Small Presses (15" to 24" Platens)
- Large Presses (30" to 84" Platens)
- Ovens
- Two Roll Mills
- Rubber Injection Presses
- Extruders
- Steam Autoclaves
- Banbury Mixers
- Three Roll Calendar

Product Examples

- Packers
- Flowline Seals
- Flex Plugs
- T-Seals
- Shear Blades/Rear Seals
- O-Rings
- Annular Seals



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PRECISION MACHINED THERMOPLASTICS

Thermoplastics are highly susceptible to lathe cutting and milling. Our state-of-the-art machining produces exacting replications of critical dimensions, allowing our production team to meet even the most precise specifications.



With expert engineers and unsurpassed chemists, UTEX is a specialist in custom plastic sealing solutions that solve your design challenges while reducing the costs commonly associated with metal components.



METAL MACHINING

UTEX has a deep history in machining, fabrication, and tool manufacturing. We provide a full range of services that range from research & development, expert product design and support, to high volume production.

Our team is skilled in working with all grades of carbon and alloy steels. Typical grades including carbon steel (1018)(1035)(8620), alloy steel (4140)(4130), stainless steel (3047)(17-4) and tool steels. We actively maintain a deep supplier base of materials that has been carefully selected and inspected to deliver quality, reliability, availability, and cost.

UTEX employs specialized knowledge in metallurgy and machining of metal alloys and specific heat treating processes to reach your desired outcome. Our experts work to optimize product design and develop manufacturing processes that meet your exacting needs.

- Over 700,000 sq ft of production space
- Quality control and stringent material tracking

UTEX Quality

- All facilities are ISO 9001:2015 Certified manufacturing centers
- In-house, 100% inspection by the machinist and the quality department for all machined parts
- First article, in-process, and final inspections ensure parts are in tolerance and meet all customer requirements
- Global S CMM
- Portable Romar Arm CMM
- Hexagon Digital Comparators

Metal Processing

- CNC Lathes
- Vertical Turning Lathes
- Saws, Plasma Cutters
- Boring and Horizontal Mills to meet the tightest tolerances and part complexity

Product Examples

- Hard Coated Plungers
- Custom Manufacturing Components
- Fluid End & Components
- Lantern Rings

Contact your UTEX Sales Rep today to find out more.

Compression & Injection Molded Billets

- Managed, on-hand supply of raw material stock reduces manufacturing lead time
- In-house Compression Molded PTFE Billets
- In-house Injection Molded PEEK Billets

Custom & Prototype Springs

- Cantilever, Helical, and Offset Coil springs
- On-site spring winder
- Custom design springs
- Quickly prototype to your exact dimensions



CUSTOM URETHANE MOLDING

UTEX offers cast polyurethane as an alternative to rubber, plastic or metal, depending on the application. This innovative elastomer has been widely accepted as a cost-effective replacement for other materials and it is well known for its superior wear and abrasion resistance.

- Ability to design and machine highly engineered molds to fit almost any custom application
- State-of-the-art urethane mixers, high flow computerized equipment, and full service machine shop help us avoid defects, ensure on-time delivery
- Small consumables to large subsea components
- Quick turnaround prototypes

Product Examples

- Bonded Pistons
- Bend Restrictor
- Riser Clamps
- TJ Packers
- Foam Darts
- Solids Control Products
- Nozzles
- Diffuser Tubes
- Hydrocyclones
- Elbows/Fittings

Why Urethane?

- Abrasion Resistant
- Cut and Tear Resistant
- Bondable to Metal and Composite Parts
- Ability to process parts from 1g to 500lb
- High Temperature Urethane up to +350°F

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202145 v2020:Q4

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UTEX® > THE GOLD STANDARD IN FLUID SEALING WORLDWIDE