



UTEX INDUSTRIES, INC. PRODUCTS & CAPABILITIES

THE UTEX® MISSION:

At UTEX, our mission is to create the highest-quality engineered sealing solutions in the market and to support our customers with exceptional service that goes beyond expectations.

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 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
- ShearBlades/Rear Seals
- O-Rings
- Annular Seals

RUBBER MOLDING TECHNIQUES / CAPABILITIES

Full Range of Elastomer Compounding and 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



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.

Compression & Injection Molded Billets

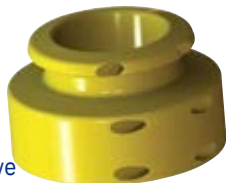
- Managed, on-hand supply of raw material stock reduces manufacturing lead time
- In-house Compression Molded PTFE Billets
- In-house Injection Molded PEEK Billets

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

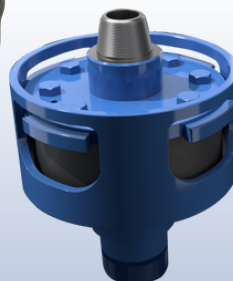
Why Urethane?

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

UTEX PRODUCTS

MINING PRODUCTS

UTEX Smoothdrill® and updated design, King Cobra®, shock absorbers are produced for installation in rotary blasthole drill rigs used in open-pit mining operations. The shock absorber is threaded inline between the top motor drive and the drill string below, which continues down to the tricone bit at the surface.

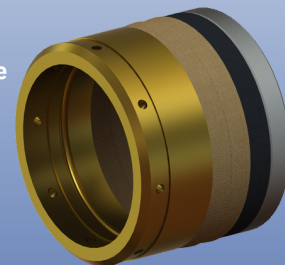


King Cobra®

WELL SERVICE PACKING

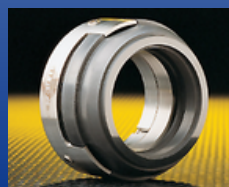
Utex's premium quality packing sets combine high-performance elastomers with ultra-tough fabric reinforcements, engineered to achieve exceptional resistance to friction, pressure, abrasion, and wellbore fluids. Designed and manufactured in the USA,

Utex's well-known **SUPERGOLD®** pressure rings, coupled with the industry's **FIRST and ONLY** patented **XLH®** X-Tended Life header ring, are field-proven to significantly lower maintenance costs and increase pumping integrity in the most extreme applications, with achievable run time to 500+ hours before planned maintenance. The **XLH® SUPERGOLD®** WSP set is the leading packing set preferred by the industry's most reliable pressure pumping companies.



MECHANICAL SEALS

Utex has decades of experience designing and manufacturing mechanical seals for a broad spectrum of industries. Using CAD/CAM technology, we design and manufacture our own products and maintain a large inventory of standard and custom-designed products. We have the flexibility to design custom seals and associated parts for high temperature applications, corrosive material service, for high durability operating requirements and for handling all types of fluids. It is a total sealing technology capability that Utex offers.



Utex can repair or replace a faulty mechanical seal instead of buying a complete pump replacement.

Contact your UTEX Sales Rep today to find out more.