"It is our vision to be an elastomer company recognised throughout the oil industry for innovative products, quality, and professionalism. Using our extensive expertise in materials, manufacturing, and engineering technology. We do not just make products, but provide our customers with solutions."

Nick Atkins - Managing Director
Utilising our extensive materials and product experience, Rubberatkins provide a solution to your challenge, from concept through to completion. With prototyping and testing capabilities, products can be qualified to extreme conditions and to the latest international standards.

- **Rapid turnaround from initial concept; providing time and cost-effective solutions prior to scaling up to full production**
- **Designed to meet specific applications**
- **In-house market and product experience**
- **Expert knowledge in product design**
- **Latest FEA modelling technology**
- **3D Solidworks CAD software**

Our own Elastomer Technology group develop materials specific to your application using the latest mechanical and thermal material testing techniques. With decades of material expertise, Rubberatkins is constantly pushing the boundaries of elastomer capabilities.

- **Bespoke material development**
- **Materials developed to suit extreme conditions**
- **ISO 23936-2 / NORSOK / NACE approved materials**
- **Low toxicity, flame retardant materials**
- **Mechanical testing of materials at elevated temperatures**
- **Bond integrity testing**
- **Material characterisation by thermal techniques**
- **Fluid compatibility / longevity testing using Arrhenius modelling**
- **Product analysis and third party failures investigations**
- **Fully equipped lab for material analysis**
- **On site compound mixing laboratory**

Using our test capabilities, Rubberatkins can qualify products to the latest international standards, adding assurance to your elastomers performance. Testing can be performed in:

- **30,000psi and 650°F (343°C) testing capability**
- **Water, oil and gas test mediums**
- **API 11D1 / ISO14310 V3+V0**
- **SCADA recording system**
- **Fully adaptable to customer requirements**
- **Superheated steam testing**

Digitally controlled presses and in-house material mixing and bonding capabilities, Rubberatkins can provide fast, responsive deliveries for both low and high volume orders.

- **SCADA controlled presses for 100% repeatability**
- **Rubber only, rubber to metal bonding, rubber to plastic bonding**
- **Large moulding press capability**
- **Fast, responsive delivery**
- **Low and high volume**
## Product Categories

### Completions & Well Intervention
- Hercules Elements
- 2 Stage 1 Piece Elements
- Frac Elements
- HP Cups
- Frac Cups
- HD Cups
- Cup Mandrels
- Settable Cups
- Split Cups
- Bonded Seals
- Chevron Stacks
- O-Rings/T-Seals/S-Seals/Custom Seals/Dynamic Seals

### Liner Hangers & Well Construction
- Liner Top Elements
- HP Cups
- Darts
- Cement Wipers
- Expandable Casing Patch Seals
- F-Cup Testers
- Thread Testers

### Wellbore Cleanup
- HP Cups
- Frac Cups
- HD Cups
- Hercules Element

### Frac Seals
- Multi-Set Frac Elements
- Multi-Set Frac Cups
- Frac Mandrels
- Multi-Set Acid Frac Cups

### Enhanced Oil Recovery Products
- Steam and Hydrocarbon Resistant Cups/Elements/Chevron Stacks/Custom Seals

### Artificial Lift Products
- ESP Cups/Debris Barrier
- Swab Cups
- Oil-Savers

### Drilling & MWD/LWD
- CRT Cups
- Marine Bearings and Housings
- Reservoir Seals
- Expansion Seals
- ICDS
- Cement Impellors
- HP Cups
- Shock Mounts/Anti-Vibration Mounts
- Tubing Centralisers
- Formation Tester Pads

### Well Testing
- DST Elements
- High Temp DST Elements

### Surface Pressure Control Equipment
- BOP Seals (Inner/Front and Outer/Rear Seals)
- Blind Ram Seals
- Multi-Line Seals
- Connection Seals
- Annular BOPs
- Slickline/Braided Line Wiper Seals
- Hydraulic Wiper Seals

### Subsea
- Valve Centralisers
- Bend Stiffeners and Chafe Protectors
- Tubing Centralisers
- Thread Protectors
- PU Seals/Compression Discs
- Clamp Seals/Protectors
- Custom Seals

### Pipeline
- Pipeline Isolation Seals
- C-Flex
- Custom Seals

### Downstream
- Lip Seals
- Butterfly Valve Seals
- Gate Seals

### High Performance Generic Seals
- O-Rings
- Backups
- Chevron/V Seals
- S-Seals
- Dynamic Seals
SEALING SOLUTIONS

CUSTOM MOULDED PRODUCTS

- LP & HP applications
- LT, HT & UHT applications from -50°F (-45°C) to thermal downhole temperature 650°F (343°C)
- Optimised to accommodate mandrel bypass requirements
- Designed for maximum resistance bypass
- Designed for your needs

- LP applications
- Designed for maximum resistance bypass
- Designed for your needs

We pride ourselves on developing new, innovative products specific to our client’s needs by leveraging our expansive knowledge in materials and manufacturing to produce high quality components to custom drawings.

CUPS & MANDRELS

- Pressure tested to 18,000psi
- Multiple casing and weight ranges 2.3/8” - 42”
- Every size and weight tested and qualified
- Designed to fit your tools

- LP and HP applications
- Pressure tested to 18,000psi
- Flexible design for easy stabbing through restrictions
- Wear resistance > 10,000ft travel
- 4 sizes of mandrels to fit all cups

WIPERS & DARTS

- Built with abrasion resistance materials
- LT and HT applications -40°F (-40°C) - 400°F (204°C) material dependent
- All dart variations tested for pressure and minimum pass through diameter

PACKING ELEMENTS

- Cased hole and open hole applications
- LT and HT applications 150°F (65°C) -450°F (232°C) range
- Designed to fit your tools

- LP and HP applications: 5,000psi - 15,000 psi range
- Single set permanent to multi (100+) set - permanent or retrievable
- Every size and weight tested and qualified

Every size and weight tested and qualified

RA HERCULES™

Flexible design for easy stabbing through restrictions

Multiple sizes 2.3/8” - 18.5/8”

Multiple casing and weight ranges 3.50” - 18.5/8”

We pride ourselves on developing new, innovative products specific to our client’s needs by leveraging our expansive knowledge in materials and manufacturing to produce high quality components to custom drawings.
Rubberatkins consistently push the application boundaries and challenge the status-quo as we develop unique and novel materials to provide sealing solutions in environments that were previously unachievable.

To date Rubberatkins has developed over 1,600 formulations to satisfy different physical and environmental applications. In addition to the standard NBR, HNBR, FKM materials our experience and material knowledge has resulted in the development of a range of Rubberatkins branded high performance elastomers.

Rubberatkins has introduced a range of thermoplastics to complement our high performance sealing products. Our thermoplastic materials enhance the anti-extrusion properties of our elastomeric seals in extreme high pressure and high temperature applications.

Rubberatkins currently has 4 primary thermoplastic compounds: PEKK, PEEK™, PEKEKK, and Hytrel®. These virgin compounds can be enhanced further through the addition of reinforcement fillers to help strengthen the material physical properties and enhance performance and longevity in demanding environments. Rubberatkins can utilise carbon, glass, moly and metal options fillers to enhance the structure of the compound.

**PEEK™**
- High performance plastic that is physically stronger than PEKK
- Broad chemical resistance
- High temperature capabilities up to 331°C (628°F)

**PEKK**
- High performance plastic that outperforms other more common grades
- Broad chemical resistance
- High compressive strength and heat deflection
- High temperature capabilities up to 331°C (628°F)

**PEKEKK**
- Best performing plastic out of PAEK range
- Broad chemical resistance
- Superior modulus and compression properties to PEEK™ and PEKK
- High temperature capabilities up to 387°C (729°F)

**HYTREL®**
- Good resistance to oils and some chemicals
- Back-up plastic for low to medium temperature ranges up to 121°C (250°F)

HYTREL® is a registered trademark of DuPont™