



RUBIX



part of  
your  
success

driving excellence  
for the automotive  
industry



# understanding your business



At Rubix we have extensive experience of working with some of the biggest names in automotive. All across the UK, many businesses in the industry choose us for their industrial supplies and services because of our specific sector expertise.

Our vast experience means that we are able to better understand the unique and special needs that relate to your business and your own production processes.

We recognise how important issues like availability, health and safety and energy conservation affect your business.

We also understand what impact these issues have on your requirements and how we can apply our expertise in your industry to provide you with the best parts, products and support.

We understand that constant production demands require the application of high quality reliable parts and how in your drive for optimal energy efficiency, you want to find the most energy efficient products for your process.

We know that there are key issues that can impact the parts you use in your production:

- Availability
- Product longevity
- Demands of continuous production
- Health & Safety
- Energy conservation
- Sustained speeds
- Extreme temperatures
- The use of paints and chemicals

For businesses with a need to keep production lines running 24/7/365, always having the right part at the right time is vital – and we're here to help.



All the parts, all the protection

Site safety is paramount – a protected team is a productive team. As part of our services we offer one of the UK's most comprehensive, compliant PPE clothing and equipment ranges to keep everyone working safely.

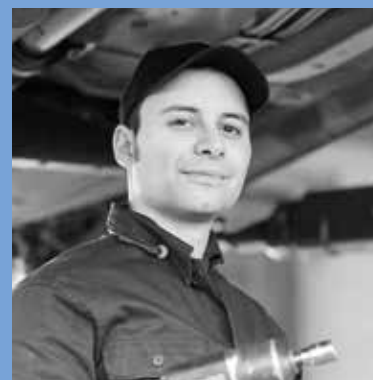
Plus we also provide a bespoke branded workwear solution for your workforce.

## When work requires a specialist, look no further than our workshop services

Rubix operates four specialist engineering workshop centres. These engineering centres of excellence help minimise repair downtime thanks to the unrivalled levels of knowledge and engineering skill made available to all our customers – all geared towards saving you money. All work is quality assured (ISO 9001:2015, and fully accredited by the BFPA) and is carried out to the manufacturer's original specifications using genuine spares.

We're your specialists for:

- Gearbox repairs – we'll find the most cost-effective solution: repair, recondition or recommend a new unit
- Condition monitoring services
- CNC machining for one-offs or emergency replacements
- Customised chain cutting
- Pump repair and maintenance
- Kitting – bespoke tool kits to your exact specification



# parts, products and services for the automotive industry

## Power Transmission and Fluid Power Products



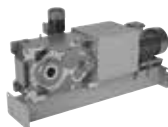
### Cast Iron Motor

- Solid and integrated feet for easier installation and alignment
- Reduced noise and vibration with lower energy consumption
- Reduced temperature on windings and bearings



### Compressed Air Coupling and Hose Technology

- High flow rate increases tool speed by up to 50%
- Innovative hose and coupling technology reduces energy consumption
- Prevent hose whip and noise on disconnection to protect workers, in accordance with ISO4414-9.6 standards
- 320 eSafe couplings can be used to replace euro profile couplings without safety features



### Industrial Gear Unit

- Powerful - up to 250,000Nm
- Robust - high precision, rigidity and strength
- High torque from a compact size to fit in the footprint of existing units
- Long service life and low noise
- Flexible - numerous options



### Seals and Gaskets

Wide range of sealing products and gasket materials:

- "O" Rings
- Rotary Shaft Seals (Oil Seals)
- Hydraulic/Pneumatic Seals
- Soft Cut Gaskets
- Metallic Gaskets
- Gasket and Seals Kits



### Super Precision Bearings

- Solutions for various machine tools used in the production processes for engines and transmissions where precision is crucial
- Sealed bearings excel in challenging environments without compromising on speed or energy efficiency
- Special materials such as ceramics are available for applications where ultra high speed and ultra high accuracy is required



### Couplings

- Robust
- Reduced maintenance costs and downtime
- Application related design



### Linear Bearings

- Range of stainless steel Linear Guide Rails designed to reduce risk of corrosion and maximise life
- Maintenance free Linear Guide range offers extended operational uptime
- Range of products designed to operate in extreme temperatures
- Designed to achieve high speeds and positional accuracy



### Extreme Temperature Bearings

- Designed for operation in extreme temperatures
- Special component materials, internal geometries and seal materials designed to improve bearing life
- Improved machine reliability as premature failure due to temperature is avoided
- Reduced maintenance and downtime - designed for increased life



### Pneumatic Cylinders

- Suitable for harsh environments
- Also available with a modular sealing system - easy to replace in situ reducing downtime
- Sealing technology withstands dirt, extreme temperatures and chemicals

# join us on the road to efficiency and savings

Here is just one typical example of how we apply our specialist expertise to help companies in the automotive sector across the UK every day.

A large car manufacturer based in the UK was looking to reduce its energy costs and asked Rubix for advice on ways to achieve this. With pneumatic systems being one of the major causes of energy wastage, our technical teams conducted site surveys from compressor to machines. Using our expertise and working closely with our supply partners, we identified a number of compressed air leaks and we developed bespoke solutions, which when implemented saved the customer £35,000 per year in energy costs.

## Tools and Personal Protective Equipment



### Hydraulic Solenoid Operated Directional Control Valves

- High working pressure
- High flow rates
- Low pressure drop
- With wet type solenoids, these valves ensure low noise and long life



### Chains

- Chain with cylindrical rollers embedded into the chain wheels to reduce friction, save power and prevent slipping at low speeds
- Lubrication free attachment chains to reduce downtime and maintenance as well as potential product contamination
- Small part conveyor chains with short pitches with additional features designed to reduce noise



### Multistage Booster Pump

- Balanced shaft seal
- Wear-resistant bearing material
- Laser-welded impellers
- Energy-optimised pumps (EU minimum efficiency index (MEI) benchmark of MEI  $\geq 0.70$ )
- Premium efficiency IE3/IE4 motors
- Easy service, minimal downtime
- High pressure



### Torque Wrenches

- Intelligent design to reduce under tightening/over tightening of nuts and bolts
- Ensures safety and productivity



### Tool Control Systems

- See at a glance all tools are available for full accountability
- Our on-site tool audits assess tool sequences keeping you organised
- Reduces time wasted searching for the right tool
- World leading brands including Roebuck
- Laser etching available for total personalisation of tools
- Chemical/oil/dirt resistance foam in-lays



### Hyflex Glove

- Unique and patented knitted design allows the glove to easily tear at multiple high risk areas
- White colour allows for quick identification of dirt to avoid product contamination
- No transfer of silicone contaminants to metal parts prior to painting



### Traffic Film Remover

- Removes traffic film and grease
- Free from silicones or phosphates
- Contains a scale inhibitor for better rinsing
- Suitable for hard or soft water areas

# adding the right concepts to help make you even more successful

Working with Rubix goes a lot further than simply delivering the right part at the right price at the right time.

We understand the pressures you face in relation to driving down costs while optimising production efficiency. This means that we can:

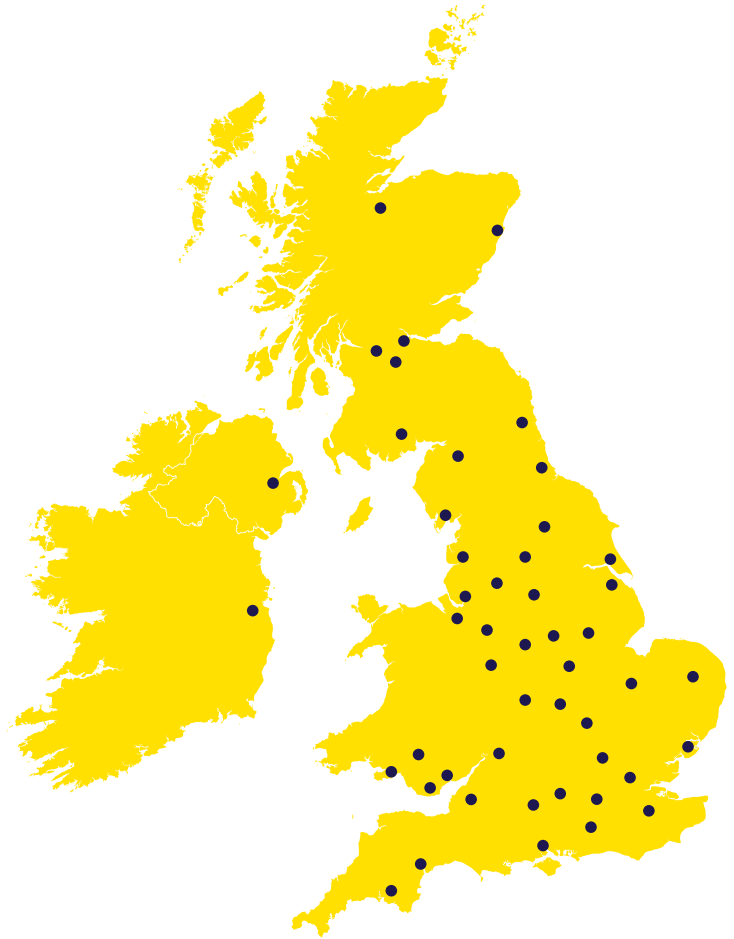
- Use our sourcing expertise and substantial international buying power to reduce your acquisition costs through OEM conversion
- Offer you the option of alternative quality branded parts, or suggest alternative products where appropriate
- Improve production line efficiencies through innovation, performance measurement and condition monitoring
- Promote best practice in industrial supplies management and even provide you with services within your plant
- Streamline and consolidate invoicing for more efficient purchasing processes
- Provide you with a dedicated, experienced resource with all the benefits of our huge buying power right where you need it – on your site
- Standardise your purchases and rationalise your choice of suppliers with our Vendor Managed Services; even getting suppliers to hold and manage inventory on your behalf, providing consignment stock where appropriate
- Profile stock holding against critical needs to eliminate over or under stocking
- Reduce costs in purchasing and invoicing through e-Commerce solutions including an Online Procurement Manager and EDI integration where possible

And all of this, of course, works like you do, 24/7/365



we've got  
automotive  
covered

On both national and local levels, Rubix offers a comprehensive range of products and services to support the maintenance, repair and on-going operations of production machinery – keeping industry moving and running at optimum efficiency.



Our customers are buyers, engineers and plant managers who need the right product at the right time, and at the right price. They also want the kind of technical support that only true specialists can provide to make positive impacts on their businesses in terms of production efficiencies and significant cost reductions.

We offer more than 5 million different product lines – 500,000 of which are in stock at any one time, all available 24 hours a day, 365 days a year. Via our centrally-located National Distribution Centre in the Midlands, plus a network of branches across the UK, we'll get it to you on time, every time.

In addition we operate on-site at more than 200 customers' businesses – including full dedicated bespoke branches at over 100 customer Insite™ locations.

Larger customers with multi-site operations throughout the UK are provided with a dedicated Key Account service to add real value to your maintenance operations, to ensure that all aspects of a national agreement are implemented successfully across all sites, and that service level commitments are fully met.

With our specialist expertise, international strength and local presence – combined with our thorough understanding of the automotive industry – we are ready to become your parts and products partner.

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