

The RUBIX logo is displayed in a bold, yellow, sans-serif font in the top right corner of the image. The background of the entire image is a dark blue overlay on a grayscale photograph of an industrial facility, likely a cement plant, featuring tall silos, cranes, and complex piping structures.

RUBIX

A yellow chevron icon pointing to the right, positioned to the left of the text.

part of
your
success.

cementing
strong
relationships
with your industry

A white chevron icon pointing to the right, positioned at the end of the main text line.

understanding your business

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 understand how important issues like hygiene 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.

For example, we know how operating conditions can have a big impact on your production lines, such as wet and dusty conditions, vibration and extreme temperatures.

We also understand that heavy loads require the application of very high quality parts, and how in your drive for optimal energy efficiency, you want to find the most efficient products for your process.

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

- Availability
- Health & Safety
- Heavy Loading
- Downtime
- Vibration
- Wet and dusty operating conditions
- Energy conservation
- Extreme temperatures
- Demands of continuous production

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.

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



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



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.



parts, products and services for the cement industry



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

Pneumatic Cylinders with Scraper Nose Seals



- 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

Rollers and Conveying

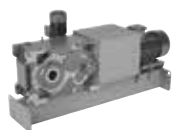


- Range of rollers for use in extreme conditions
- Motorized pulleys and components for bulk material handling



Submersible Contractor Pump

- Integrated on/off switch for automatic start and stop
- Heavy-duty, greased-for-life ball bearings
- Double shaft seal system, with intermediate oil chamber
- High alloyed cast iron (600HV) semi-open impeller
- Wear-resistant nitrile rubber diffuser and impeller back plate
- Rubber lined water channels where water velocity is at its highest



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



Predator® V Belt

- High load carrying capacity
- Double fabric provides abrasion and wear resistance
- Shock, stretch, heat and oil resistant



Chain

- Link design improves fatigue resistance
- Able to withstand shock and heavy loads
- Controlled position of pin and bushing provides even wear



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

services that add real value to the cement industry

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

Rubix visited a customer's cement plant to review the operation of the chain scraper arrangement under the weigh-feed conveyors. Fitted below long conveyor belts to collect over-spill from the belt scrapers, they were regularly failing.

We analysed the arrangement: a sprocket at the drive end and a milled wheel at the other. Here, debris was pushing the chain off its guides, causing it to twist and the scraper link bar to fail.

We proposed using a heavier-gauge chain and a proper sprocket with a mid relief at the bottom, designed to push debris from the chain by the sprocket teeth. The new design was installed reducing maintenance time and spares, saving the customer over £30,000 in the first three months.



Split Cylindrical Roller Bearing

- Totally split to the shaft arrangement allowing quick and easy installation and minimised downtime
- Externally self aligning - seals remain concentric to shaft extending bearing life in highly contaminated environments
- Angled support pedestals available for easier initial installation in space restricted applications or "trapped" locations



Spherical Roller Bearing Solid Block Housed Unit

- Solid cast steel housing with machined feet for maximised strength and one time alignment
- Completely sealed unit, with integrated fixed and float capability for quick and easy installation
- Six primary seal options, sealed on an extended inner ring provides maximum grease retention and minimised ingress of contamination



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



Sealed Spherical Roller Bearing

- Designed specifically to withstand high loads and misalignment
- Designed to increase bearing service life and production uptime in contaminated environments
- Reduced grease consumption and maintenance intervals
- Helps to improve safety, lower costs and reduce environmental risks



Self Lube - Triple Lip Seal Bearing

- Nitrile rubber triple lip seal bonded to protective pressed steel shield designed to stop ingress of contamination, maximising bearing life, for applications exposed to heavy dust and water contamination
- Extended relubrication intervals, reduced maintenance costs and increased productivity of machinery
- Interchangeable with standard self lube units, no extra time or machining costs and ready replacement for existing bearing units
- Available with standard set screw and eccentric collar locking for full flexibility of fitting and good resistance to loosening on the shaft



Heavy Duty Crank Link Drive Chain

- Heat treated for maximum strength and integrity extends service life of the chain
- Increased bush wall thickness accommodates increased bearing pressures
- Grease facility through pin to allow introduction of lubrication into critical areas
- Anti-rotation flat to provide positive mechanical retention to pin



Couplings

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

a heavyweight team ready to add tons of value to your business

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:

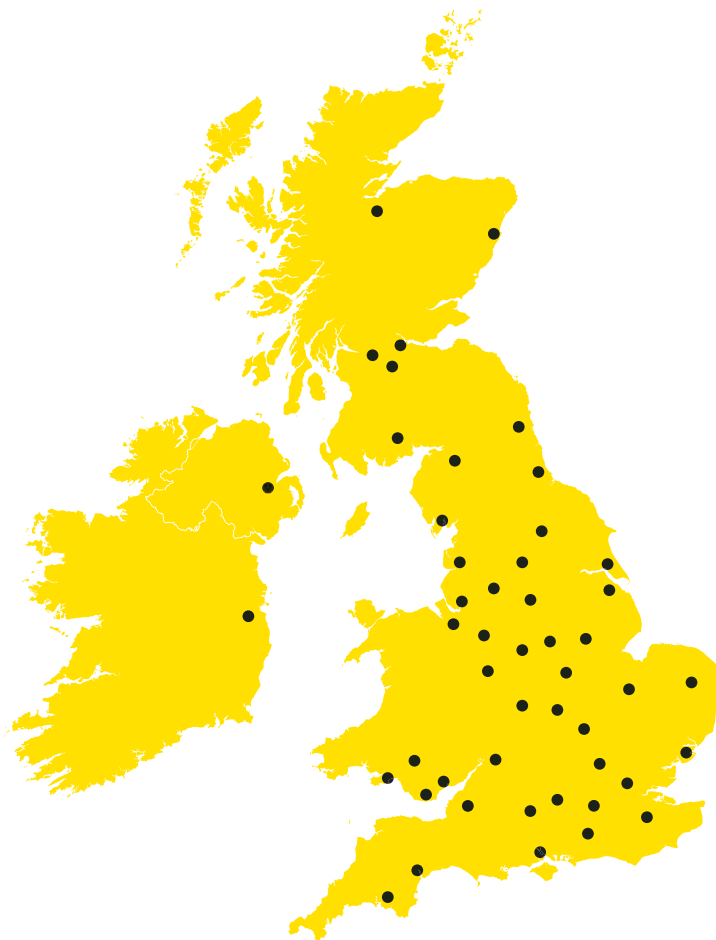
- Use our sourcing expertise and substantial international buying power to reduce your parts acquisition costs
- Offer you the option of alternative quality branded parts, or suggest alternative products where appropriate
- Introduce production line efficiencies by measuring performance and monitoring their condition
- Standardise your purchases and rationalise your choice of suppliers; even getting suppliers to hold and manage inventory on your behalf, providing consignment stock where appropriate
- Streamline and consolidate invoicing for more efficient purchasing processes
- Profile stock holding against critical needs to eliminate over or under stocking
- Provide all the invoice and ordering processes online for lower cost process management

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



we've got
the cement
industry
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 cement industry – we are ready to become your parts and products partner.

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