



Operating from our manufacturing sites in Central Scotland and North England and with our partners in South Wales, the Regal group of companies has emerged as a market leader in the roller covering and general rubber goods sectors, servicing customers the length and breadth of the UK and overseas.

Roller covering and refurbishment will always be at the heart of what we do! However, led by dedicated business and technical experts with many years of experience, the Regal group continues to expand its supply of diverse rubber-based products into new and existing markets, including renewables, oil & gas, marine, bespoke rubber linings, civil engineering, food and drink, etc.

Our plants in Scotland, North England & South Wales specialize in rubber-to-metal bonding, specifically rubber and polyurethane roller covering and linings all of which are carried out in-house to ensure optimum quality control. The manufacturing of bespoke polyurethane mouldings and RTV silicone roll coverings has also been perfected over the years and these products are supplied into a multitude of industrial applications.



*Our highly skilled workforce have many years of experience manufacturing bespoke rubber products.*



- ROLL COVERINGS • ROLL ENGINEERING • CNC ROLL COVER GROOVING •
- BOWED ROLLERS • RUBBER LININGS •
- RUBBER SHEETING & BESPOKE RUBBER CUTTING SERVICE •
- SPECIALITY RUBBER & POLYURETHANE SLEEVES •



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## ROLLER COVERING & ENGINEERING

The name 'Regal Rubber' is synonymous with rubber and polyurethane roller covering! Since 1984 we have been supplying premium quality roller coverings to every conceivable industry from our well-equipped manufacturing plant in Central Scotland.

In 2017, we acquired the business and assets of Jet Roller Services Ltd., located in Northern England, now renamed Regal Rubber & Polyurethane Ltd.

In 2019 we formed a joint-venture with AMR Coatings Ltd., called Regal-AMR Ltd., located in South Wales. This expansion gives us additional manufacturing capacity and product capability and makes us better positioned to service our markets throughout the UK.

Our businesses are also represented by the best and most experienced technical and sales team in the UK... bar none!



All types of roll CNC grooving carried out!

### All our plants are equipped with:

- 'state-of-the-art' roll covering equipment
- Steam and electric vulcanising capability
- CNC grinding and grooving machinery
- Modern fleet of trucks and vans

## ROLL COVER PRODUCTS

The Regal group has a comprehensive range of rubber, polyurethane and cast silicone roll cover products designed to operate in all those industrial environments where covered rolls normally operate. Our covers are widely used in paper-making and converting, plastic film, bubble-wrap production, printing, laminating, holographic film lines, pipe-coating, conveying...and many, many more!

**REGAL'S RUBBER AND POLYURETHANE COVERS CAN BE TAILORED TO WITHSTAND HIGH PRESS LOADING, ELEVATED TEMPERATURES, BE STATIC-DISSIPATING OR INSULATING, CHEMICAL, OZONE OR OXIDATION RESISTANT, ETC!**



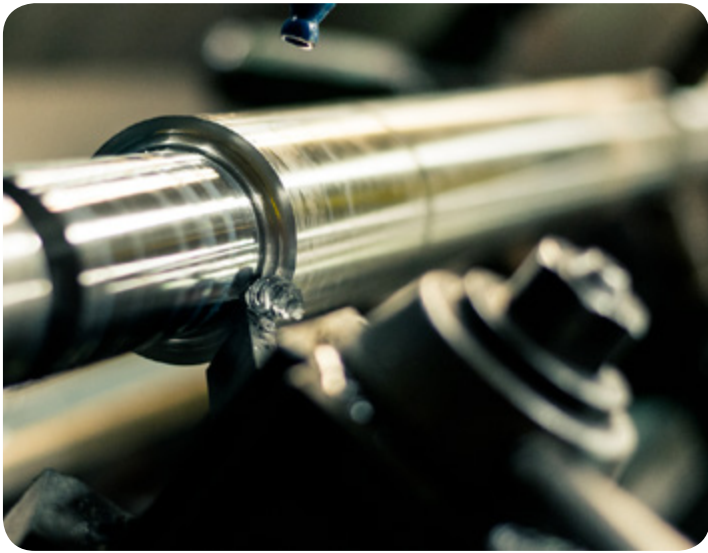
'Regalon AS' static-conducting covers



'Regathane' polyurethane covers

**REGAL'S PHILOSOPHY HAS ALWAYS BEEN CENTRED AROUND INVESTMENT TO ENSURE WE ACHIEVE CONTINUOUS IMPROVEMENTS TO OUR PRODUCTS AND SERVICE.**





*Contact our sales offices or our experienced sales engineers to discuss your requirements. You will be offered a roll cover option from our extensive range optimized for your process.*

## ROLL ENGINEERING

The Regal group's philosophy has always been to be a full-capability, market-leading roll servicing company! As well as offering one of the most comprehensive range of polymer-based covers in the UK, we also provide a full mechanical engineering service for our customers.

Talk to our sales engineers or sales offices if you require a new roll core complete with cover, a new chromed roll or simply a roll repair and restoration service. Our engineers operate to the highest industry standards and tolerances therefore the quality of work we provide is guaranteed to be of the highest standard.

### ENGINEERING SERVICES:

- Bespoke new roll core manufacture
- Rollers manufactured to OEM standard
- Mechanical repairs to existing rolls
- Repairs to bearing surfaces
- Dynamic roll balancing
- Chrome roll manufacture & repair

**TECHNICAL DATA SHEETS FOR ALL OUR ROLL PRODUCTS ARE AVAILABLE TO DOWNLOAD FROM OUR WEBSITE.**

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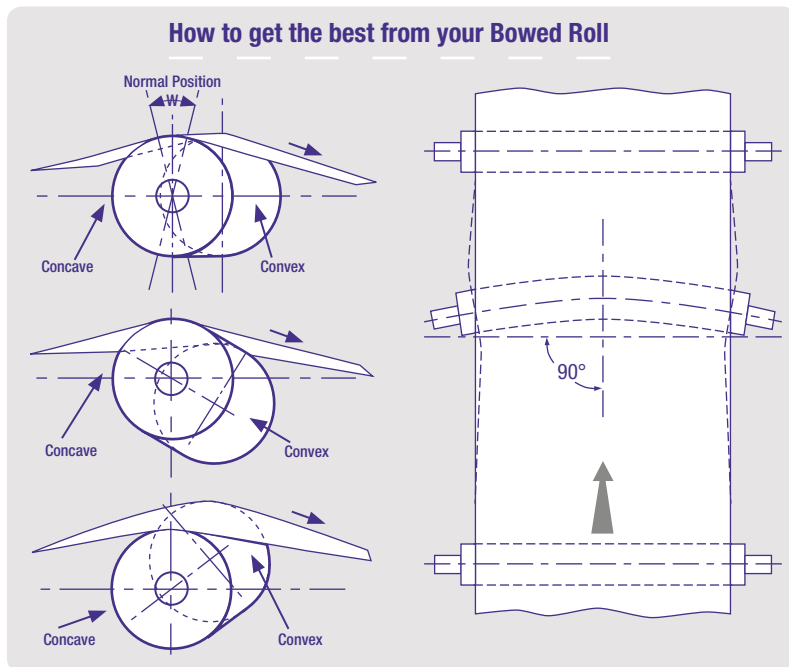
## BOWED ROLLERS

Bowed rolls or 'banana' rolls are used in most manufacturing processes that produce a continuous web or substrate to remove creasing or to orientate the web in a controlled manner. Examples include textiles, plastic-film, paper manufacturing and the various converting industries.

To satisfy the extensive requirements of these applications, Regal Rubber manufacture a comprehensive range of new 'Moseleybow' metric-sized rubber covered spreader rolls, from 80 mm to 180 mm diameter, suitable for both wet and dry applications. A full roll refurbishment service is also available, with both metric and imperial sized spreader rolls regularly restored to their original OEM condition in our purpose built facility in Scotland.

Our bowed rollers are manufactured on mild-steel or stainless-steel axles with machined and balanced spools, branded metric bearings, viton end-seals and covered with an optimised rubber sleeve. All rolls, whether high or low speed, are manufactured to very high mechanical tolerances in our workshop in Scotland.

*The roll can be tailored to suit the customer's requirements and supplied with various diameters and roll lengths and can operate in both wet and dry applications. Rolls can also be supplied with end brackets, rotatable brackets, drive pulleys, etc., if required.*



Product ID	Diameter Range (mm)	Length Range (mm)	Max Speed (m/min)	Max Temp (°C)	Typical Application
RR100	80 – 180	1000 – 4000	< 200	< 100	Slow speed processes
RR100H	80 – 180	1000 – 4000	< 1200	< 100	High speed processes
RR100HX	80 – 180	1000 – 4000	> 1200	< 100	Ultra-High speed processes
RR160	80 – 180	1000 – 4000	< 200	< 160	High temp, slow speed
RR160H	80 – 180	1000 – 4000	< 1200	< 160	High temp, high speed
RR160HX	80 – 180	1000 – 4000	> 1200	< 160	Ultra high temp, high speed
RR100S	80 – 180	1000 – 4000	< 200	< 200	Very high temp, slow speed



**ALL OUR ROLLS ARE MANUFACTURED TO A HIGH STANDARD AND ARE BOTH PHYSICALLY INSPECTED AND DYNAMICALLY TESTED TO ENSURE THAT OPTIMUM QUALITY AND PERFORMANCE IS GUARANTEED.**

## RUBBER & POLYURETHANE PRODUCTS

### RUBBER LININGS

Over the years, the Regal group has become increasingly involved with the rubber lining of bespoke, off-shore and marine products, tanks, chutes, pipework, etc.

Rubber lining is a specific coating method used to protect various engineered products and systems. The coatings are applied to prepared surfaces, usually by hand and must be chemical, seawater resistant, etc. The linings are 'vulcanised' ensuring they are fully bonded to the coated surface. The Regal group has three large electric and steam vulcanisers, including one of the biggest in the UK, therefore we can undertake some of the largest and most complex rubber linings! We regularly line sheaves for puretic power blocks, 'J-Tube' & Caisson guides for off-shore installations, etc., using our specially formulated rubber compounds!

J-Tubes contain incoming and export electrical cabling on off-shore windfarm jacket installations. These tubes are supported with large diameter, rubber lined guides.

The Puretic Power Block is a large powered aluminium pulley incorporating a 'V' or 'W' shaped sheave that is lined with a specially designed, hand-built neoprene rubber coating to provide additional grip.



Above: The lining is applied; Below left: Regal's large steam autoclave; Below right: Rubber lined power block sheave.



## RUBBER SHEETING & STRIP PRODUCTS

As part of our service we not only supply various types of non-trip, non-slip, anti-fatigue and electrical matting, but we can come along to your facility, measure and install as well!



We also provide a bespoke rubber cutting service and frequently cut and supply pre-cured rubber sheeting to most shapes and dimensions with a high degree of precision. In some cases rubber can also be 'cold-bonded' to metal components or other substrates depending on the application. Our cutting service is particularly useful to those clients requiring smaller quantities of rubber sheeting or for those without the means to cut to the required tolerances.

*To discuss your sheet, strip or cut rubber requirements, simply call our customer service departments or speak to one of our sales engineers.*

### Industries we serve:

- Chemical Plants
- Food Industry
- Distilleries & Breweries
- Engineering Companies
- Oil, Gas & Marine



## SLEEVES & MOULDINGS

The Regal group manufacture and supply a range of speciality rubber sleeves. Our multi-layer, fabric reinforced rubber sleeves are used on 'Evaset'® equipment for preshrinking all types of woven fabrics. The sleeves also assist with the softening and compacting of woven and non-woven fabrics without the use of chemicals.

'Rotabelts' (pictured top right) are large, fabric reinforced rubber sleeves used in the wet-end of paper machines to assist with pulp de-watering. The sleeves are manufactured with abrasion-resistant rubber compounds and machined with computer-designed drilling and grooving patterns which assist with water removal.

The Regal group can also supply bespoke reinforced and non-reinforced rubber sleeves to meet a multitude of industrial applications. Call our customer service departments or speak to one of our sales engineers with your enquiry.

Polyurethane elastomer is liquid in raw material state. It can therefore be moulded easily into simple or complex shapes. When 'cured' the material is exceptionally tough and has excellent mechanical strength and wear resistant properties. 'Regathane' polyurethane (pictured right) is widely used for the toughest roll applications, pulleys, load-bearing wheels, etc. It can also be moulded to suit a myriad of industrial applications.



'Regathane' polyurethane coated wheel



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