

# INDUSTRIAL MANUFACTURE



# Industrial manufacture

Industrial manufacturing involves production in many manufacturing fields. It provides the raw materials and tools for them, including: F&B, textile and garment, machinery, furniture, paper products, petroleum, chemical raw materials, metal smelting, automotive, electrical machinery, test & measurement, medical manufacturing, and many more.

As the world develops and advances, industrial manufacturing technologies will be at the forefront, constantly improving the processes, with SMART factories, and the IIOT.

## Common Industry Requirements

- 1 Reducing downtime
- 2 Maintenance cost reduction
- 3 Energy management

## Application & Solution

### Reducing downtime

Many test & measurement products are exposed to harsh environments, and the right choice of products may have effect on their performance and reliability.

#### **Solution: Focus on High-Protection Sensor Products**

RS operates a selection of products with IP67/69K (high pressure washing) protection and/or stainless steel body, providing greater protection and reliability in flushing environment.

### Maintenance cost reduction

Having machinery fully operational in industry is paramount. The machinery's warranty often covers replacement parts over the initial lifespan, but once outside, the mix of usage of component brands across the production line creates a purchasing difficulties and additional maintenance cost.

#### **Solution: Product Brand Consolidation**

With the support of various key brands, RS can help you to consolidate the brands used within your machinery and offer advice and how machine reliability and productivity can be improved.

### Energy management

Knowing how much electrical energy is used by different parts of your process will enable energy efficiency measures to be implemented.

#### **Solution: Local Power Monitoring**

RS has a range of kWh meters and power meters which can be easily retrofitted to provide a local indication of power usage. The range includes a variety of capabilities from simple local kWh measurement to power factor and data recording. RS products also provide a full range of energy efficient solutions such as IE2 monitors, variable speed drivers and low-energy lighting.

## Main Technology

### Sensor products

RS has a large inventory of sensors and converters for a wide range of industrial applications.

RS products cover a wide range of applications including proximity, ultrasonic, photoelectric, laser, optical fiber, temperature, pressure, fluid, vision, weight, etc.

## Trusted Global Brands



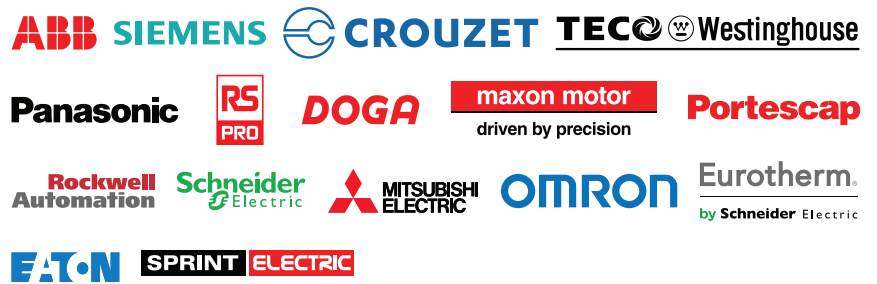
### Industrial control and relay

A large number of buttons, limit switches, control stations, isolators, contactors, and industrial relays are used in industrial line control systems and in the final product. You can find all these products in RS.



### Motor and control

Many parts of the industry require motion driven by motor, which combines in panel control via a variable speed drive, soft start or DC speed controller, and the AC or DC motor on the machine.



### Circuit protection

RS offers a wide range of circuit protection and circuit breakers, where you will find leading brands such as Schneider Electric, Siemens and ABB.

### Process control (PLC, HMI, Data Acquisition and Temperature Control)

PLC, HMI, data acquisition and temperature control can control almost all processes in industry – either individual standalone machines or an entire production line.



### Box body and guide rail terminal

RS provides a complete range of metal and plastic boxes for electrical and industrial applications, as well as common rail terminals in boxes.

## Main Technology

### Power management

RS is provided with a variety of power sources and can be used in different installation systems, which means that you will be able to find power sources for any industrial, automated or electronic applications.

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### Panel instruments, counters and timer

Panel meters are at the front line to find out how your process control machinery works. In our rich product range, you will find digital instruments, VU meters and power panel meters. RS is equipped with a large number of counters and timers.



### Signal regulating and monitoring relay

Temperature, voltage, current or frequency need to be monitored at the industrial site, and all signals need to be adjusted and converted, which can be found in RS.



### Speaker and signal lighthouse

Speakers and signal lights promote safety and awareness in many industrial and commercial sectors, including construction, automotive and aviation. RS provides international and European guaranteed products to meet the needs of most applications, including fire alarm products, stack lights or tower lights.



### Machine safety protection

From the machine protection and safety scope of RS, the product provides protection and safety equipment for all industries, including factory automation (food, beverage and pharmaceuticals) and process automation (utilities and mining). You will also find safety devices available such as mechanical and non-contact interlock switches, light curtains, safety relays, emergency stop buttons and pull ropes.





## Main Technology

## Trusted Global Brands

### Pneumatic & hydraulic products

From our comprehensive range of hydraulic and pneumatic products, you can find air preparation filters, hydraulic pumps, quick-connection connectors, sensors, instruments, and thoroughly clean environmental standard actuators from industrial to food grade.



### Industrial pipeline, pipeline and process accessories

RS can provide a variety of pipe fittings and pipeline solutions.



### Bearing

RS stocks a wide selection of rotary bearings, ball and roller bearings, as well as roller bearings and various bearing units in leading manufacturers in the industry such as SKF and IKO NipponThompson, to cope with production line operations.



### Sleeve, axle ring and coupling

RS works with industry leaders Huco and Ruland to provide a wide selection of axle rings. You'll also find keyless sleeves, locking sleeves, normal sleeves, isometric sleeves and tapered sleeves to choose from, including brands such as Lenze, Fenner Drives and our high-quality own-brand RS PRO. RS has a wide range of roller chains and accessories.



### Drive accessories

RS offers a wide range of power conveyor belts to meet any automation or industrial requirements.

You will find polyurethane belts, hemp chain straps, synchronous toothed belts, as well as wedge and V-shaped friction belts of top brands such as Contitech. You can also browse RS PRO brand belts with a wide selection and competitive prices.

And the material transfer accessories series provided by RS will meet the requirements of any material transportation, including universal ball joints and conveyor rollers.



## Main Technology

### Test & Measurement

Precision measurement is essential because if there are measurement errors this can prove costly. By having confidence in each measurement, manufacturers save time and money, and improve the quality of their products.

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### Tools

Having the right tools for the job is critical to maintaining an efficient production process.



### Personal protection products

It is important to protect the safety of employees, so personal protective equipment is required.



### Site Safety

Safety in the workplace is an area of utmost importance for both employers and employees. It is a legal duty of employers to have the correct safety equipment and signage in their workplace. There are many risks that need to be managed and mitigated depending on the environment and task being carried out, so it is vital to take the time to review your site and the safety supplies that are available to ensure they're suitable and compliant with any regulations.



### WE ARE ALWAYS HERE FOR YOU

We know that receiving the right product at the right time and place is critical to keeping your business running smoothly. From same day delivery to procurement solutions, find a range of helpful services to increase productivity, save your time and money.



#### Fast Delivery

Remove the guesswork and receive your order at a time that suits you with our flexible delivery options.



#### Product Support

Get access to advice from our technical specialists - we're just a phone call away.



#### Inventory Solutions

Efficiently manage your inventory, improve availability and reduce carrying cost.



#### Procurement Solutions

Consolidate your suppliers and create an efficient process with our suite of eCommerce solutions.



#### DesignSpark

Spark your curiosity and access resources that'll help you innovate - our exclusive platform for design engineers



#### Invoicing & Payment

Stay in control of your budget & reduce your process costs.

# WHY RS?

Servicing engineers & procurement specialists for **75+** years.

Delivering to over **1.2 million+** customers in **32** countries.

We source **700,000+** electronic & industrial products.

Working with more than **2,500** global suppliers.

Shipping **60,000+** parcels each day.

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