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 Cost management

2 Modification of existing applications

3 Energy management

4 Reducing downtime

Application & Solution

1 Cost management:

Industrial manufacturing involves a wide range of components and equipment. Once the warranty period provided by the original manufacturer expires, the different part brands you use may bring difficulties in purchasing and increase the maintenance cost.

Solution:**the widest range of products and brands**

With the best combination of products and brands, RS can help you cut down the number of different suppliers you need with excellent services. It can help to reduce the cost of order management, simplify the management of small orders, and improve the efficiency of the overall procurement process.

2 Modification of existing applications

We often need to fully configure existing machines, develop new machines or equip additional network and data communication capabilities.

Solution:**3D design software and a wide selection of products**

RS offers free 3D design software and one of the broadest product ranges, including the latest communications and networking products. It can help speed up the machine design process, and our market-leading product offering means you don't have to waste time searching for the right products.

3 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.

4 Reducing downtime:

Unplanned downtime due to equipment failure would be time consuming and will have an impact on product output with material waste.

Solution:**better preventive maintenance**

Regular inspections of parts by means of non-invasive tools (such as infrared thermal imagers and vibration analyzers or monitoring and control relays) will help you detect and predict problems before they occur. RS can provide right solutions for your application.

Key technology

Tool products

RS partners with well-known tool brands around the world to bring the right tools to users in different sectors, including hand tools, electrician's tools, pneumatic tools, hydraulic tools, welding tools and portable charging tools.

Besides, RS has its own-brand RS PRO covering almost all types of tools, giving customers a cost-effective experience.

Sensor									
Brand	Hand tool	Electrical tool	Electrician's tool	Pneumatic tool	Hydraulic tool	Welding tool	Charging tool	Clamp tool	Torsion tool
RS Pro	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedore	✓	✓						✓	✓
Bosch	✓			✓		✓	✓	✓	
Bacho	✓	✓		✓				✓	✓
Weller						✓			
Knipex	✓	✓						✓	✓
Stanley	✓							✓	
Facom	✓	✓				✓		✓	✓
Dewalt	✓	✓				✓	✓	✓	
Wera	✓	✓						✓	✓
Makita	✓	✓				✓	✓	✓	
Parker				✓					
Bosch Rexroth				✓					
Dormer	✓	✓							
SATA	✓	✓	✓	✓		✓	✓	✓	✓

Product picture	Product description	RS inventory No.
	Acom Inner Hexagonal Wrench, Short Arm, L-Shaped, Silicon Steel	2352937
	RS PRO Cabinet Key, Die Cast and Galvanized	4393019
	Stanley Surgical Blade, Cast Metal	6172735
	RS PRO Tie, 100mm (L) x 2.5mm (W), Nylon 66	178462
	RS PRO Glass Fiber Brush PCB and Flux Brush, Diameter 4mm	514868
	RS PRO 240 Fine Alumina Grinding Block 692817, 80 mm (L) x 50 mm (W) x 20 mm (H)	1235767
	Advance Tapes Black Electrical Tape PVC, 8000V Breakdown Voltage, 20m (L) x12mm (W) x0.13mm (T)	494304
	RS PRO Screwdriver Kit, 11 Pieces with Various Tool Heads	537883
	Norton Handy Roll Series R222 240 Very Fine Aluminium Oxide Abrasive Cloth Roll 63642531799x25mm, 25m	692328
	RS PRO, Plastic Carving Knife for Host Materials 23cm (L), Extensible, Insert Size 10A	2329123
	RS PRO Metric size nut spinner, 5.5mm A/F	4992341
	RS PRO, Stainless Steel Tweezers, Magnetic And Acid Resistant, 140 mm (L)	1369851
	RS PRO Hexagonal Wrench Set, 15 Pieces, Long Arm	5423509
	RS PRO Blade, Suitable for Tools with Fixed Blade, Commonly Used, 10 Packs	5416646
	RS PRO Screwdriver, Torx Star Head, Tip Size T15, Engineer, 4in (L), Total Length 189mm	662591
	RS PRO Screwdriver, Torx Star Head, Tip Size T9, Engineer, 3in (L), Total Length 145mm	662579
	RS PRO Toolkit, 310mm (L), Zipper Toolkit, Polyester 200mm (W) and 210mm (H)	7887205
	RS PRO Hacksaw Blade, 300 mm (L), 24 Sawteeth/in, Bimetal	1853675
	RS PRO Steel Grinding Round Brush, 15000 rpm, Diameter 70mm	779267
	RS PRO Inner Hexagonal Wrench, Short Arm, L-Shaped, Chrome Vanadium Steel	609584
	Bosch GWS 12V-76 10.8V Cordless Angle Mill, 76mm Millstone, 900g, 19500rpm, 2.5Ah	113-8633
	Dewalt DCG405FN-XJ 18V Cordless Angle Mill, 125mm Millstone, 1.8kg, 9000rpm	144-9887
	Bosch GSR18-2-LI lithium-ion Battery Charging Drill, 18V, 1.3Ah	747-1254
	Bosch IXO 3.6V III 3.6V Cordless Screwdriver, 0→180rpm	747-1333
	Bahco Screwdriver Phillips Crosshead, Tip Size PH2, Ergonomics, 100 mm (L), Total Length 222 mm	264-8698
	Knipex Circlip Plier 19→60mm, Straight Pointed, 60 mm, Chromium Vanadium Steel, Internal, Total Length 180 mm	337-137
	RS PRO Sleeve and Tool Head Kit, Drive Size 1/2 in, 1/4 in, 66 Pieces, Square Tool Head	817-9249
	Stanley Screwdriver Set 5-62-573, 10 Pieces with Various Tool Heads	494-058

Key technology

Personal protection products

RS partners with well-known tool brands around the world to provide security for workers.

Personal protection products cover the protection for head, eyes/face, hands, feet, body, hearing, breathing and high-altitude fall, etc.

Besides, RS has its own-brand RS PRO covering almost all types of personal protection products, giving customers a cost-effective experience.

Sensor								
Brand	Head protection	Eye/face protection	Hand protection	Foot protection	Body protection	Fall protection	Breath protection	Hearing protection
RS Pro	✓	✓	✓	✓	✓	✓		✓
3M	✓	✓	✓		✓		✓	✓
Delta Plus	✓	✓	✓	✓	✓	✓		✓
UVEX	✓	✓	✓	✓	✓			✓
Ansell			✓		✓			
Honeywel				✓				
JSP	✓	✓				✓	✓	✓
Heckel				✓				
Scruffs	✓	✓	✓	✓				
BM Polyco			✓		✓			
allatte				✓				

Product picture	Product description	RS inventory No.
	RS PRO Size L ESD Finger Sleeve, 720 Pieces	2418425
	BM Polyco 100 Pieces, Natural Colored Latex Gloves, Size 8.5-L	5081458
	Bolle Contour Series Scratch-Proof Transparent Lens Safety Goggles CONTPSI, with Anti-Fog Coating	295823
	Mapa Spontex, Nitrile Gloves, 485 Ultranitril, Size 8, Chemical Resistant, 24 Pieces	475732
	S PRO 100 Pieces, White Polymer Gloves, Size 8-M	2664268
	3M PELTOR GH-1 Elastic, Plastic, Banded Chin Strap	4949820
	3M PELTOR G3000C GU Yellow ABS Helmet	4949808
	3M 4000 Series, M-XL, Half Mask, Respiratory Mask 4255	766176
	BM Polyco, Cotton Glove, Hot Glove, Size 9, Heat Resistant, 2 Pieces	467321
	SP AJF030-000-200 Yellow High Density Polyethylene (HDPE) Helmet	7506754
	Mapa Spontex Gloves, Ultrane, Size 8, 2 Pieces	1240207
	RS PRO 100 Pieces, White Polymer Gloves, Size 7-S	2664202
	Ansell AE11-100/09 Size 9, LESD Gloves, 2 Pieces	8064715
	Bolle Axis Series Scratch-Proof Gray Lens Safety Goggles AXPSF, with Anti-Fog Coating	4897139
	3M Peltor Optime III Series Black Headband Ear Protector h540a-411, Down by 35db	4496499
	M 4000 Series, M-XL, Half Mask, Respiratory Mask 4279	2872649
	Ansell, Nylon Gloves, HyFlex, Size 9, 2 Pieces	3239986
	BM Polyco, Polyester and Cotton Gloves, Knitted Stockinette, Size 8, 10 Pieces	562952
	Ansell, Nylon Gloves, HyFlex, Size 8, 2 Pieces	484174
	Bolle Axis Series Scratch-Proof Transparent Lens Safety Goggles AXCONT	4897145
	3M 532000 Silver Front Cover, Used for 9100FX Air Welding Helmet	8179362
	RS PRO Black Men's Antiskid Light Safety Boots, Steel Safety Toe Cap, Rubber Sole, Size 8 (UK)/42 (EU)/9 (US)	7904069
	Honeywell Unisex Antiskid Safety Shoes BC0919702-40, Steel Safety Toe Cap, Polyurethane Sole	7706720
	Kimberly Clark 96730 White XL Anti-chemical Splash, Hardly Fuzzing, Polypropylene, Unisex Lab Coat	7672914
	RS PRO ESD Unisex Lab Coat, XX Large	7898093
	RS PRO Reflective Vest, Yellow	1446042

Main technology

Trusted global brands

Lubricant and detergent

Within what is most likely a 24/7 operation continual lubrication and cleaning of moving parts and fluid lines is an on-going requirement.

ROCOL   WD-40   deb   CRC   Ambersil

Tools and Health and Safety

The right tools for the job are critical to maintaining the efficiency of the production process. It is important to protect staff safety, such as protection them from cuts and fine dust inhalation, so personal protective equipment (PPE) is required.

3M   bollé SAFETY   STANLEY   JSP OXFORD. ENGLAND   FACOM Pro for life

BAHCO   Dickies   Ansell   SATA世达 承诺·让平凡见证伟大

BOSCH   DeWALT   RS PRO   Honeywell   KNIPEX

GEDORE 吉多瑞 TOOLS FOR LIFE   Makita   Kimberly-Clark 金佰利   MSA The Safety Company   BRADY WHEN PERFORMANCE MATTERS MOST

Mitutoyo   Starrett   DOLECO 多来劲   WERNER WE KEEP AMERICA MOVING

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DOLECO 多来劲   WERNER WE KEEP AMERICA MOVING   SATA世达 承诺·让平凡见证伟大   Mitutoyo

RS PRO   DeWALT   STANLEY   Makita

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Honeywell   RS PRO   MSA The Safety Company   3M   Ansell

Lakeland 雷克兰   Kimberly-Clark 金佰利   DELTAPLUS YOUR SAFETY AT WORK

RS