PREVENT,
PREDICT,
PROGRESS
Maintenance solutions to keep
your operations running
RS

PREDICT, PREVENT, PROGRESS WITH RS MAINTENANCE SOLUTIONS

Keeping your plant moving is vital, and predictive and preventative maintenance are key components in any maintenance strategy targeting zero production downtime.

In this guide you will find off the shelf product solutions which can help you predict, prevent and progress with your day-to-day maintenance, combined with an introduction to our maintenance services which give you access to expertise and experience in the field of predictive maintenance.

RS Maintenance Solutions

RS Maintenance Solutions is our suite of predictive maintenance solutions which keep our customers' sites moving. Even if you aren't sure where to start with improving asset reliability, we can help you develop and gain control of your maintenance strategy, ensuring risks are mitigated before they become plant-stoppers.

We offer an array of fully integrated, end-to-end product and service solutions to fulfil all your maintenance needs. These services range from diagnosis through to supply and fit. They turn data into insights to predict faults before they become failures, helping you build resilience into your facility.

Read more about these services on page 8 & 9.

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Amazon Monitron

- Detect abnormal conditions in industrial equipment and enable predictive maintenance
- This end-to-end system uses machine learning to identify machine issues before they occur
- Start monitoring equipment in minutes with easy installation and automatic, secure analysis through the Amazon Monitron end-to-end system
- Improve system accuracy continuously as Amazon Monitron learns from technician feedback entered in the mobile and web apps
- This is a subscription product

aws

229-1934	Monitoring system	**£478.69**
229-1932	Vibration sensor	**£76.77**
229-1935	Vibration sensor – pack of 5	**£383.80**
229-1931	Intelligent gateway	**£94.01**

FLIR Ex-Series™ Thermal Imaging Cameras

- Powerful, cost-effective, easy-to-use troubleshooting tools for electrical and mechanical predictive maintenance
- Excellent resolution sensors to help with detail, further aided by MSX to enhance IR images with visual detail for better perspective and interpretation
- Accurately measures temperature from -20°C to 550°C
- Wi-Fi connectivity to smartphones and tablets via the FLIR Tools® Mobile app makes sharing images from any location easier, so you can review and compare images to make critical decisions faster

TELEDYNE FLIR Everywhereyoulook™

184-6124	FLIR E8-XT IR resolution 320 x 240 pixels	**£2,939.00**

Fluke 1736 and 1738 Three-Phase Power Loggers

- Make critical power quality and energy decisions in real-time
- Have more visibility into the data you need to optimise system reliability and savings. These are ideal for conducting energy studies and basic power quality logging, automatically capturing and logging over 500 power quality parameters
- Identify issues that can cause critical machine downtime, measuring all three phases and neutral with included 4 flexible current probes

FLUKE

900-9974	FLUKE-1736/EUS Power Logger	**£4,206.00**
900-9986	FLUKE-1738/EUS Power Logger - advanced version	**£4,944.00**

Ultrasonic Leak Detector

- Detect a variety of leakage events with the instrument's 20kHz to 90kHz frequency range
- Quality headphones help identify the source of the leak
- Parabola accessory directs the ultrasound towards the sensor
- Three filters to remove main noise frequencies in noisy environments
- Detachable extension provides additional reach in hard to reach areas
- 6.35cm LCD display with bargraph

FLUKE

196-2986		**£903.00**

RS730 Thermal Imaging Camera

- Often, developing faults reveal themselves through generating heat. This thermal camera is great for spotting these problems early, so you can intervene before the problem develops
- Display: 2.8" LCD, 240 x 320 pixels
- IR resolution: 160 x 120 pixels
- Image frequency: 50Hz
- Battery operating time: approx. 4 hours
- Integrated LED light

RS PRO

136-5668		**£1,359.83**

Fluke 810 Vibration Tester

- The most advanced troubleshooting tool for mechanical maintenance teams who need an answer now
- The unique diagnostic technology helps you quickly identify and prioritise mechanical problems, putting the expertise of a vibration
- analyst in your hands
- Puts you one step ahead by using a simple step-by-step process to report on machine faults the first time measurements are taken, without prior measurement history
- The combination of diagnoses, severity and repair recommendations help you make informed maintenance decisions and address critical problems first

FLUKE

744-2192		**£11,087.00**

Fluke ii900 Ultrasonic Leak Imager

- Leaks in compressed air, gas, steam and vacuum systems hurt both production uptime and the operations bottom line
- The Fluke ii900 enables maintenance teams to quickly and accurately locate air, gas and vacuum leaks in compressed air systems; even in noisy environments
- The 7" LCD touchscreen overlays a SoundMap™ on a visual image for quick leak location identification
- The straightforward, intuitive interface allows technicians to isolate the sound frequency of the leak to filter out loud background noise
- In a matter of hours, the team can inspect the entire plant – even during peak operations

FLUKE

187-6163 **£16,795.00**

FLIR Si124 Ultrasonic Leak Detector

- Minimise excess utility costs, equipment failures, and downtime by ensuring proper air pressure to pneumatic equipment
- This lightweight, one-handed solution can be used to identify issues up to 10 times faster than with traditional methods
- Built with 124 microphones, the Si124 produces a precise acoustic image that visually displays ultrasonic information, even in loud industrial environments
- The acoustic image is transposed in real time on top of a digital camera picture, which allows you to accurately pinpoint the source of the sound
- Results can also be stored, shared and analysed via the cloud

TELEDYNE FLIR Everywhereyoulook™

210-1916 **£16,279.00**

Belt Alignment Tools

- Poorly aligned drive belts or pulleys can significantly contribute to noise, vibration and wear leading to premature bearing failure and costly machine downtime
- This SKF belt-alignment tool lets you check your pulleys, conveyors and belt drives are properly aligned with accuracy and ease
- This laser alignment tool is quick and accurate, delivering precise measurements that will help you reduce friction, energy consumption and noise from unnecessary vibration in your machinery
- Easy to attach using powerful magnets, and uses a laser so you can easily see and adjust both alignment and belt tension

SKF

821-5077 TKBA 10 (up to 3m between pulleys) **£1,259.30**

821-5086 TKBA 20 (up to 6m between pulleys) **£1,513.74**

Drive Belt Tension Tester

- Loose or poorly tensioned drive or timing belts can cause premature failures; check tension with a digital acoustic tension tester
- This measures the frequency at which belts vibrate
- Designed even for difficult-to-reach places, ideal for quickly and easily checking the tension of V-belts, ribbed belts and timing belts
- Tension recommendations can be taken from Optibelt specifications and CAP calculations

optibelt

178-0775 **£814.24**

Fluke 805 Vibration Meter

- Perfect for predictive maintenance activities on moving machinery. Measures overall machine vibrations, bearing vibrations and temperature simultaneously
- Overall vibration levels are compared to preprogrammed alarm levels, and machine condition is provided in four stages
- Bearing condition is assessed automatically, without needing to know the shaft diameter and rotational speed of the bearing, nor the bearing class
- All measured values can be stored and exported to an MS Excel template to create trend plots that help to predict the machine- and bearing condition

FLUKE

811-1397 **£1,922.00**

FLIR C5 Compact Thermal Camera

- Quickly find hidden faults and reduce diagnostic time – has a 160 x 120 true thermal imager and 5-megapixel visual camera
- Pinpoint and communicate potential issues faster – upload images directly and document problems and repairs
- IP54 rating – high level of protection against water and dust
- Portable and rugged: it will withstand a 2m drop
- LED flashlight to help see in dark and hard to reach areas

TELEDYNE FLIR Everywhereyoulook™

201-6980 **£649.00**

Fluke 179 Digital Multimeter with TLK225-1 SureGrip™ Master Accessory Set

- The Fluke 179 DMM is the industry-standard troubleshooting tool for electrical and electronic systems
- Exceptional ease of use, ruggedness and reliability, with true-RMS voltage and current measurements, plus resistance, frequency, capacitance and temperature measurement too
- The Fluke TLK-225 SureGrip™ master accessory set is the perfect replacement kit that provides flexibility and comfort with all SureGrip™ leads and probes in a convenient six pocket, roll up pouch

SPECIAL OFFER

189-3828 £361.00

Fluke 115 Multimeter with TLK-225 SureGrip Master Accessory Set

- Save money when you purchase the Fluke 115 multimeter and the Fluke TLK-225 SureGrip™ master accessory set together in this great value bundle
- With its simple operation, compact design and ease of use, the Fluke 115 True RMS multimeter provides the perfect answer for general purpose electrical and electronic test requirements
- The Fluke TLK-225 SureGrip™ master accessory set is the perfect replacement kit that provides flexibility and comfort with all SureGrip™ leads and probes in a convenient six pocket, roll up pouch

SPECIAL OFFER

918-1883 £220.00

FLUKE®

Fluke 378 FC Non-Contact Voltage AC/DC Clamp Meter

- Measure voltage and current non-contact with your clamp jaw - faster, safer testing using FieldSense™ technology
- Unique power quality indicator shows whether equipment or power line is faulty
- Complete 3-phase voltage and current tests in 3 quick steps. Full set of phase-to-ground and phase-to-phase values calculated
- Use the included iFlex flexible current probe to measure ac current as high as 2500A
- With Fluke Connect software you can remotely log, trend and monitor measurements to pinpoint intermittent faults

220-4446 £710.00

RS PRO Multi-Function Calibrator

- Degradation of components including sensors, valves, even PLC I/O can cause the process to vary from its optimum parameters
- Prevent problems by checking performance of 4-20mA loops and temperature controlled devices periodically
- This loop calibrator offers precision for temperature measurement and calibration accuracy with a wide measurement range
- Source and measure current loops (including simultaneously)
- User friendly and ergonomic instrument with soft touch buttons, built in stand and easy to use settings

RS PRO

174-9557 £262.02

Qualistar Power & Energy Quality Analysers

- Poor power quality can cause disruption to manufacturing machinery. Monitor and identify the sources of issues using a capable analyser
- The CA 833x series measures all the necessary voltage, current and power parameters for full diagnosis of an electrical installation
- Captures and records all the parameters, transients, alarms and wave forms simultaneously
- Easy to handle and precise, these instruments also offer a large number of calculated values and several processing functions
- Comprehensive feature set depending on model, visit the RS website for more details

CHAUVIN ARNOUX

799-9070	CA 8331	£1,670.59
799-9061	CA 8333	£2,741.18
799-9067	CA 8336	£3,701.68

Castle GA2002 Pocket Vibration Meter

- Perfect for general machine and bearing vibration monitoring for predictive maintenance
- Offers reliable, repeatable and simple vibration measurements
- Measures acceleration, velocity and displacement in one instrument
- Supplied with accelerometer, cable, spike probe and case

Castle

303-3722 £888.02

Schneider Electric

TeSys™ island Digital Load Management

- Knowing the current and load status of motor driven systems can provide insight into operational or wear trends, allowing improved maintenance scheduling and reduced downtime
- TeSys island is an innovative, modular, digital load management solution which provides integrated control, monitoring and diagnostics of low-voltage motor loads
- As a connected solution data can flow seamless via Ethernet/IP or Modbus TCP to HMIs, SCADA or other management systems giving operations and maintenance teams real-time visibility of motor load conditions
- Scan the QR code to use our Tesys island configurator

204-8279	TPRBCEIP Ethernet/IP, Modbus TCP Bus coupler, 24 V dc	£181.00
204-8285	TPRVM001 Voltage Monitoring module, 3 phase	£152.00
204-8274	TPRPM009 Power Interface Module 4kW	£58.00
204-8275	TPRPM038 Power Interface Module 18.5kW	£81.00
204-8281	TPRPM080 Power Interface Module 37kW	£147.00
204-8287	TPRST009 3-pole starter 4kW	£67.00
204-8289	TPRST025 3-pole starter 11kW	£82.00
204-8282	TPRST038 3-pole starter 18.5kW	£113.00
204-8291	TPRST065 3-pole starter 30kW	£200.00
204-8277	TPRST080 3-pole starter 37kW	£209.00
394-9986	LAD9R1 Reversing Contactor kit	£18.87

Modicon M262 Motion & Logic Controller

- An IIoT ready motion & logic controller offering class leading connectivity and 3-5ns/Inst processing performance
- Each controller has 4x high speed inputs & digital outputs with motion control versions featuring an Incremental/ SSI encoder input, all expandable with Modicon TM3 I/O modules
- 4 ethernet ports acting as a hub including: 2 x Gigabit and 1 x 100Mbps both with Ethernet/IP and Modbus TCP

201-1450	TM262L10MESE8T - 5ns/inst - Logic	£968.52
201-1448	TM262L20MESE8T - 3ns/inst - Logic	£1,558.06
201-1476	TM262M15MESS8T - 5 ns/inst - 4 axis Motion	£1,637.41
201-1491	TM262M25MESS8T - 3 ns/inst - 8 axis Motion	£2,172.10
201-1461	TM262M35MESS8T - 3 ns/inst - 16 axis Motion	£2,532.43

3-Phase Monitoring Relay with NFC

- Current monitoring helps indicate potential failures before they occur - allowing for planned maintenance instead of costly downtime.
- This 3 phase monitoring relay offers configuration via FREE Zelio NFC Android App, simplifying setup
- Capable of monitoring phase asymmetry, phase failure detection, under/overvoltage, over & under frequency with 2 C/O outputs with adjustable thresholds

179-0019	RMNF22TB30 (120-480Vac)	£163.82

Unmanaged Ethernet Switches

- Great value Ethernet switches with TP RJ45 ports and data transmission speeds of 10/100 Mbps
- 5-30Vdc supply voltage with autocrossing function and LEDs: Us, link and activity per port
- IP-20 polyamide case with removable screw terminal power block

RS PRO

144-8673	5 RJ45 Ports - DIN rail mount	£64.86
226-3243	7 RJ45 Ports - Surface mount	£98.33
144-8674	8 RJ45 Ports - DIN rail mount	£104.09

DA10 Data Stations for IIoT

- The DA10 allows you to easily unlock valuable data from legacy equipment and share with the plant floor, enterprise or cloud platforms with ease
- Offers native support for over 300 industrial drivers, out-of-box OPC UA server capability, and simple point-and-click configuration of MQTT connectors
- Features a USB port for configuration and 1x RS232, 1x RS232/RS485 and 1x 10/100 BASE-T(X) Ethernet port

REDLION a spectris company

200-6439	DA10	£636.30

SmartMONITOR Monitoring & Andon Solution

- SmartMONITOR is the smart monitoring and data collection solution for businesses looking to gather reliable data to optimise manufacturing processes
- Provides both an Andon light wireless solution for call-for-action and operational monitoring
- A complete plug-n-play solution which can be retrofitted and offers either manual control or full PC monitoring

WERMA

184-5123	WIN Wireless Receiver with Ethernet	£1,542.39
184-5124	WIN Slave Transmitter Module	£257.53
185-3038	WIN KombiSIGN 71 Base Unit	£453.60
184-5126	Red KombiSIGN LED Module	£35.84
184-5128	Amber KombiSIGN LED Module	£35.84
184-5127	Green KombiSIGN LED Module	£35.84
455-3407	KombiSIGN Terminal Unit	£20.63
314-7332	KombiSIGN Tube Mounting Base	£17.57

AC30 Series FRL Assemblies

- Poor quality, contaminated or under-lubricated air can drastically reduce the operational life of pneumatic actuators. Filter and lubricate air systems correctly to maximise component life
- These filter regulator lubricators have been redeveloped and feature a double layer, transparent bowl for better level visibility and extended working life
- Various options are available including normally open or normally closed auto-drain function, round or square pressure gauges and panel mounting kits

SMC

885-5892	AC30-F03-B G 3/8" without pressure gauge	£81.13
885-5883	AC30A-F03G-B G 3/8" with pressure gauge	£80.25
885-5895	AC30-F03D-B G 3/8" without pressure gauge	£105.48
885-5886	AC30A-F02D-B G ¼" without pressure gauge	£95.44
885-5889	AC30A-F03D-B G 3/8" without pressure gauge	£95.44
885-5877	AC30A-F02-B G ¼" without pressure gauge	£71.02

20AG High Flow Pressure Regulators

- Reducing air pressure can save energy - and therefore cost - and extend component life
- IMI Norgren 20AG series protect air operated equipment from over pressurisation and are used for pneumatic applications
- The high flow pressure regulators guarantee high performance with excellent stability
- Ported regulators for general purpose and high flow pneumatic applications
- Large diaphragm provides accurate and quick response to changing flow demands and line pressure
- Balanced valve minimises effect of variations in inlet pressure on outlet pressure

NORGREN

822-4046	20AG-X4G-PH100 G ½ 0.2bar to 8bar	£202.54
218-0143	20AG-X4G-PH103 G ½ 0.2bar to 8bar	£294.00
218-0144	20AG-X6G-PH100 G ¾ 0.2bar to 8bar	£653.11
218-0146	20AG-X8G-PH100 G 1 0.2bar to 8bar	£653.11

FESTO

Round Line Cylinder DSNU - - PPS

- Very durable cylinder based on ISO 6432 with self-adjusting end-position cushioning and extensive accessories
- Wide range of variants for customised applications
- Good running performance and long service life
- Self-adjusting pneumatic end-position cushioning which adapts optimally to changes in load and speed
- For position sensing

121-4726	DSNU-16-20-PPS-A 16mm bore, 20mm stroke	£52.38
121-4729	DSNU-16-25-PPS-A 16mm bore, 25mm stroke	£52.46
121-4735	DSNU-16-50-PPS-A 16mm bore, 50mm stroke	£52.91
121-4716	DSNU-16-125-PPS-A 16mm bore, 125mm stroke	£54.14
121-4688	DSNU-25-50-PPS-A 25mm bore, 50mm stroke	£62.32
121-4650	DSNU-25-100-PPS-A 25mm bore, 100mm stroke	£63.57

Profile Cylinder DSBC - - PPS

- Standards-based cylinders to ISO 15552
- Double-acting
- For contactless position sensing
- Innovative PPS cushioning: pneumatic cushioning, self-adjusting at both ends
- No more adjusting cushioning!
- Extensive range of options

121-5252	DSBC-32-40-PPSA-N3 32mm bore, 40mm stroke	£112.24
121-5230	DSBC-32-100-PPSA-N3 32mm bore, 100mm stroke	£115.61
121-5286	DSBC-40-50-PPSA-N3 40mm bore, 50mm stroke	£127.70
121-5282	DSBC-40-400-PPSA-N3 40mm bore, 400mm stroke	£154.13
121-5029	DSBC-50-50-PPSA-N3 50mm bore, 50mm stroke	£146.98
121-4769	DSBC-50-200-PPSA-N3 50mm bore, 200mm stroke	£161.35
121-4783	DSBC-50-500-PPSA-N3 50mm bore, 500mm stroke	£190.10

Compact Cylinder ADN - - PPS

- The compact standard cylinder ADN/ AEN to ISO 21287
- Highly flexible with wide range of variants
- Contactless position sensing
- Long service life thanks to innovative self adjusting PPS cushioning and minimal friction

121-5745	ADN-32-15-I-PPS-A 32mm bore x 15mm stroke	£71.62
202-8833	ADN-32-30-A-PPS-A 32mm bore x 30mm stroke	£76.66
121-5755	ADN-32-50-I-PPS-A 32mm bore x 50mm stroke	£83.42
121-5762	ADN-40-10-I-PPS-A 40mm bore x 10mm stroke	£89.38
121-5770	ADN-40-30-I-PPS-A 40mm bore x 30mm stroke	£96.95
121-5774	ADN-40-50-I-PPS-A 40mm bore x 50mm stroke	£104.54
202-8861	ADN-63-60-A-PPS-A 63mm bore x60mm stroke	£149.68

RS MAINTENANCE SOLUTIONS

The RS Maintenance Solutions suite of predictive maintenance solutions improve asset reliability and help you develop and gain control of your maintenance strategy, ensuring risks are mitigated before they become plant-stoppers.

We offer an array of fully integrated, end-to-end service solutions to fulfil all your maintenance needs.

These services range from diagnosis through to supply and fit. They turn data into insights to predict faults before they become failures, helping you build resilience into your facility.

Below are the six areas covered by our maintenance solutions, combining onsite services, laboratory analysis and cloud based digital solutions.

CONDITION MONITORING

Helps you spot the signs of an impending mechanical failure

MANAGED LUBRICATION

Poor application of lubrication will eventually lead to failures

CALIBRATION

Our UKAS accredited lab means you never again need doubt the accurancy of your equipment

OIL ANALYSIS

All oil samples are analysed by a team of ICML certified RS scientists

RS INDUSTRIA

Enables you to unlock the power of your asset data

ENERGY MANAGEMENT

Can help you cut costs and reduce energy consumption and losses

CONDITION MONITORING
Keep your assets running

Our condition monitoring services can help you spot signs of significant changes in equipment that could be indicative of an impending failure. We work with customers to understand their challenges and create a condition monitoring maintenance strategy which works for their business, focuses on common reliability issues, and keeps budgets on track while maintaining uptime.

RS CALIBRATION
Remove the doubt from your equipment

Confidence in the accuracy of your equipment is vital. Our UKAS ISO17025 accredited calibration laboratory helps to ensure the compliance and accuracy of your instruments, whether you purchased these from RS or elsewhere. Our service provides full traceability to either national or international standards through either RS or UKAS certification.

RS INDUSTRIA
Cloud Connected Condition Monitoring

RS Industria digitally connects a range of different industrial assets and data sources, integrating them into a single point of accurate information via our secure on-premises Edge Gateway. Alerts for either a single asset or a whole process are sent directly to relevant staff, via email, SMS or app notifications, and further assets or production lines can be added as your business grows.

MANAGED LUBRICATION
Keeping your equipment running smoothly

A well-implemented lubrication programme is one of the most important and most frequently overlooked factors with regard to machine health. Poor application of lubrication and inadequate record keeping will eventually lead to elevated failures, machine downtime and production losses. Our tailored solution ensures the right lubricant, at the right point, at the right time – every time.

OIL ANALYSIS
Spot potential issues early

Oil analysis is an excellent indicator of issues developing within a mechanical system. A single, detailed analysis of an oil sample can be a valuable preventative maintenance tool. Trending wear, contamination and lubricant chemistry all provide insight into potential problems before they escalate to become a more serious issue. Our ICML certified oil scientists will assess your oil sample in our purpose-built lab.

ENERGY MANAGEMENT
Reducing energy usage and loss

We have a range of services which can help drive down energy consumption and losses. We support our customers in utilising the right products and solutions to make their energy management strategy effective and their operations and plant energy efficient. Our energy management solutions can be tailored to your individual needs, and include air leak, steam loss and lighting surveys with the data collected over time providing crucial insight into the site's energy usage.

To learn more about these services and make an enquiry either visit maintenance.rs-online.com or scan the QR code

RS MAINTENANCE SOLUTIONS

Threadlocking

- Designed for locking and sealing threaded fasteners to reduce the effects of vibration and in operation loosening
- Low strength and low viscosity, suitable for threads up to M12
- Cures within the gap between close fitting metal surfaces, but unlike glue doesn't impede removal

LOCTITE

787-7396	Loctite 221 - low strength	£50.98
408-4080	Loctite 243 - medium strength	£48.25
508-6649	Loctite 2701 - high strength	£50.59

Belt Spray

- Protects the belt from deterioration through oxidation or heat, helping to extend its life whilst improving the grip and reducing annoying squeaks
- Suitable for all belt types including vee, flat and toothed; can also be used on rubber, leather or fabric surfaces
- National Sanitation Foundation (NSF) certified as safe for use where it might come into incidental contact with food
- 400ml

RS PRO

137-2033		£9.57

SAPPHIRE® Bearing Grease

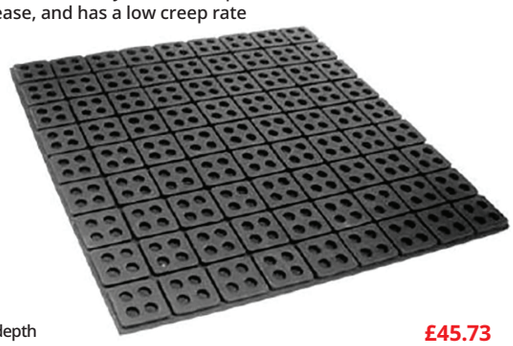
- Designed to provide effective lubrication and protection for bearings operating under a wide variety of conditions
- Increases bearing life and prevents premature failure which reduces maintenance costs and avoids costly unplanned downtime
- Cartridges shown, for other options visit our website

ROCOL

330-6301	Sapphire® 1 multi purpose 400g	£12.02
238-6362	Sapphire® 2 heavy duty 400g	£11.65
238-6413	Sapphire® Hi-Load 2 long life multi purpose with MoS2 400g	£24.60
733-4997	Sapphire® Advance 2 multi purpose EP with PTFE	£11.92
238-6407	Sapphire® Aqua 2 multi purpose water resistant EP 380g	£22.24
330-6288	Sapphire® Hi-Pressure high load with MoS2 400g	£27.73
330-6171	Sapphire® Extreme high load/temp with MoS2 400g	£44.78

Non-Slip Waffle Rubber Mounting Pads

- Ideal for absorbing vibrations on a surface, mat has been specially compounded to isolate vibration and is a lightweight, non-slip solution for applications where bolting needs to be avoided
- By using a mix of natural and neoprene rubber material, the mat provides long term durability with better protection against oils and grease, and has a low creep rate
- 457 x 457mm



RS PRO

203-5153	8mm depth	£45.73
203-5155	13mm depth	£73.82
203-5160	19mm depth	£107.60

Castrol 20 Litre Oil Drums

- Premium oils developed for specific environments, sold in 20 litre drums
- Alpha SP - ideal for industrial gear boxes with forced circulation or splash and oil bath lubrication
- Aircol MR - compressor oil designed to meet the requirements of oil flooded rotary screw compressors
- EPX 80W/90 - developed for use with spiral bevel and hypoid differentials

Castrol

463-3547	Alpha SP	£157.94
463-3519	Aircol MR	£179.06
463-3597	EPX 80W/90	£180.08

Silicone Lubricant

- General-purpose, medium-duty spray with excellent anti-stick and anti-slip properties
- Ideal for use where a clean, colourless lubricant is required; safe to use on wood, glass, fabrics, metals, most plastics, rubbers, and hard surfaces
- Eliminates friction and fabric drag
- Can be used as a mould release agent
- 400ml

Ambersil

495-4850		£6.01

FL PFM LED Floodlight

- Mid-power floodlight with range of colour temperatures
- Symmetric light distribution: 100°x100°
- High efficacy: up to 125 lm/W
- Long lifespan: 55,000hrs L80 @ 25°C
- 1m connection cable included
- Wide voltage input: 100-277 VAC
- Bracket with 30° angle and wide rotation
- IP65 / IK08

206-8847	80W 3000K	£147.73
206-8848	80W 4000K	£141.02
206-8849	80W 6500K	£147.73
206-8851	125W 4000K	£248.13
206-8852	125W 6500K	£238.58
206-8855	165W 6500K	£280.17
206-8857	200W 3000K	£369.28
206-8858	200W 4000K	£352.51
206-8859	200W 6500K	£352.51

LED Fluorescent Downlights

- Flat downlights with external driver and aluminium housing
- Extremely small mounting depth due to very low-profile housing
- External driver for easy replacement
- TP(b) rated
- Energy savings of up to 60% compared to luminaires that use CFL
- 5 year guarantee

188-4136	DN180 17W/30	£24.22
188-4137	DN180 17W/40	£25.43
188-4138	DN205 22W/30	£31.32

LED Tubes for AC Mains Connection

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Quick, simple and safe replacement without rewiring
- High luminous flux for sophisticated lighting tasks
- Lifetime: up to 50,000 h (5 year guarantee)

222-6886	ST5HE14-0.6M 8W/840	£19.41
222-6887	ST5HE14-0.6M 8W/865	£19.01
222-6884	ST5HE28-1.2M16W/840	£24.45
222-6882	ST5HE35-1.5M18W/840	£25.58
222-6883	ST5HE35-1.5M18W/865	£25.58
222-6880	ST5HO49-1.5M26W/840	£26.87
222-6881	ST5HO49-1.5M26W/865	£26.87
222-6878	ST5HO54-1.2M26W/840	£29.18
222-6879	ST5HO54-1.2M26W/865	£29.18
222-6876	ST5HO80-1.5M37W/840	£33.27
222-6877	ST5HO80-1.5M37W/865	£33.27

LEDVANCE

Damp-Proof LED Luminaires

- Robust and well protected (IK08 and IP65)
- Increased energy savings
- Easy installation with tool-free wiring
- Suspension and anti-theft kits included
- 5-year guarantee (3 years for emergency version)

223-5003	1200 18W 840 IP65	£57.65
223-5004	1200 18W 865 IP65	£57.65
223-5005	1200 32W 840 IP65	£65.76
223-5006	1500 26W 840 IP65	£65.76
223-5007	1500 26W 865 IP65	£65.76
223-5008	1500 46W 840 IP65	£68.54
223-5009	1500 46W 865 IP65	£68.54
223-5011	Emergency 1200 32W 840 IP65	£140.81
223-5013	Emergency 1200 32W 865 IP65	£140.81
223-5014	Emergency 1500 46W 840 IP65	£159.39
223-5015	Emergency 1500 46W 865 IP65	£159.39

LED 600x600mm LED Panels

- External driver for extended flexibility and easy installation
- Converts to emergency version with Emergency conversion box
- UGR<19 model in compliance with BS EN12464-1
- 5 year guarantee for TP(a) model, 3 year TP(b) model

195-0213	Panel UGR<19 TPa	£60.08
206-8823	Panel TPb	£38.62
195-0212	Emergency conversion box	£92.50

LED Tubes for Electronic and Electromagnetic Control Gears and Mains

- No bending thanks to glass technology
- Uniform illumination
- Also suitable for operation at low temperatures
- Low flicker according to EU 2019/202
- Easy installation
- Lifetime: up to 30,000 h (3 year guarantee)

222-6894	1.2M 18W/830	£19.66
222-6895	1.2M 18W/840	£19.66
222-6896	1.2M 18W/865	£20.21
222-6897	1.5M 24W/830	£21.67
222-6898	1.5M 24W/840	£21.67
222-6899	1.5M 24W/865	£21.67

SC Johnson PROFESSIONAL
A family company®

ESSENTIAL OCCUPATIONAL SKIN CARE

TAILORED TO YOUR WORKPLACE

Designed to address all workplace skin care needs, **SC Jonhson Professional® Skin Care** delivers trusted, quality solutions. Specifically formulated to do the job required they are effective yet caring to the skin and the environment.

Azure Foam Hand Wash

- A mild, biodegradable foam hand wash with added moisturisers and lightly scented with a new Signature Fragrance of Crisp Fruit.
- Cleans hands and washes away over 99% of dirt and germs (when used properly).
- Mild formulation and dermatologist tested to verify and confirm this product does not elicit dermal irritation.
- EU Ecolabel* and ECARF certified**

742-3059	1 litre cartridge	£15.17
742-3065	Dispenser	£12.66

Solopol Lime Hand Cleaner

- Solvent-free, medium-heavy duty hand cleaner with natural cornmeal scrubbing agents and refreshing light lime fragrance.
- Utilises a blend of mild cleaning agents to effectively remove a range of everyday ingrained industrial soilings such as oil, grease and general dirt and grime.
- Contains Glycerin, a skin moisturiser to help prevent drying and leave the skin feeling smooth after use.

742-3031	4 litre cartridge	£38.49
248-5754	Dispenser	£15.00

Stokolan Light Pure Restore Cream

- Lightly textured skin conditioning cream to help care for normal to dry skin.
- Perfume-free, dye-free and designed for sensitive skin.
- Contains Glycerin, a skin moisturiser to help prevent drying and leave the skin feeling smooth after use.
- Suitable for food facilities and for use with latex, vinyl and nitrile gloves.
- ECARF certified*

742-3071	1 litre cartridge	£28.31
742-3075	Dispenser	£10.76

Stokoderm Protect Pre-Work Cream

- General purpose perfume-free skin protect cream to help protect the skin against light to moderate exposure to water and non-water based workplace contaminants, such as oil, grease, lubricants and detergents.
- Perfume-free and silicone-free.
- Non-tacky and quick drying.
- Suitable for use in food facilities and for use with latex, vinyl and nitrile gloves.

742-3003	1 litre cartridge	£25.94
742-3012	Dispenser	£10.76

* The product is certified to have a reduced environmental impact through its life cycle, from extraction of raw materials through to its production, use and disposal. www.ecolabel.eu

**This product meets the European Centre for Allergy Research Foundation (ECARF) criteria for being well tolerated by sensitive skin. ecarf-siegel.org/en/about-seal.

EU Ecolabel www.ecolabel.eu

Allergy-friendly Quality Tested ECARF www.ecarf-siegel.org

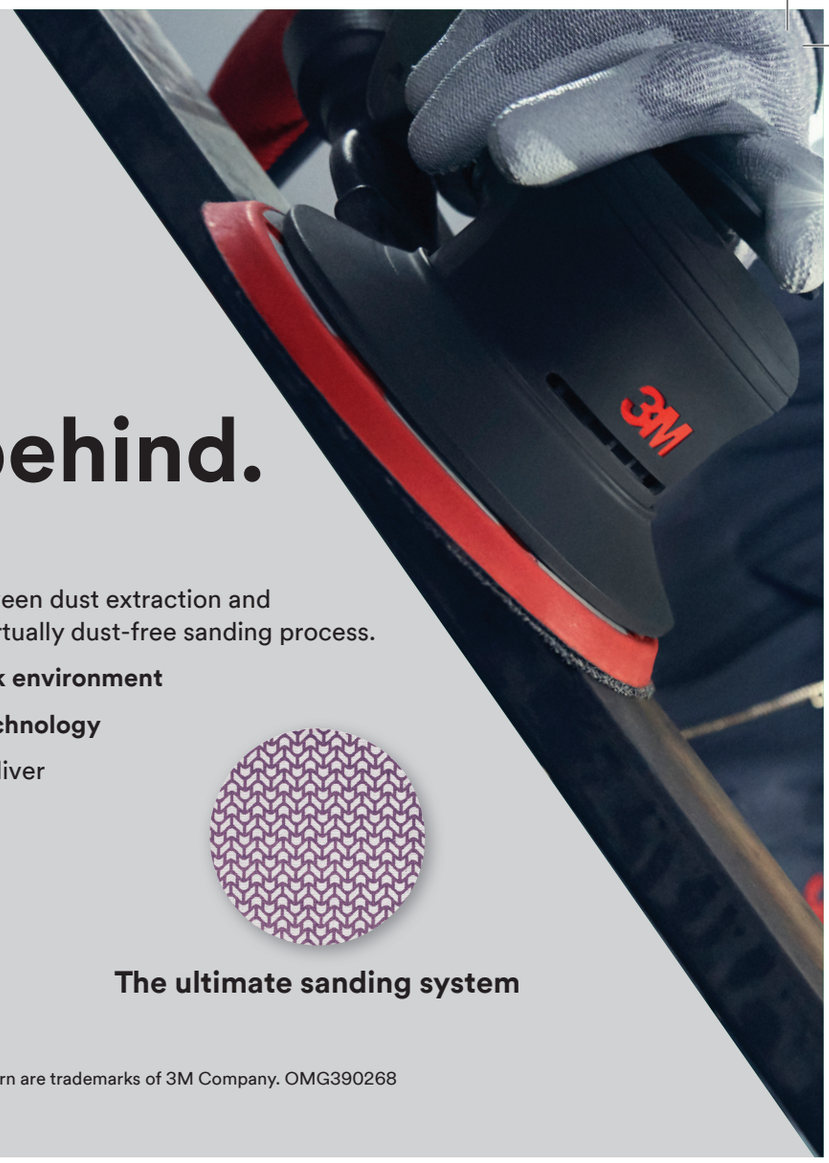
3M

Xtract™

Clean Sanding Solutions

Go for performance.

Leave the dust behind.



3M Xtract™ Cubitron™ II Net Disc 710W

The new 3M Xtract™ Net Disc eliminates the trade-off between dust extraction and disc performance, improving productivity and offering a virtually dust-free sanding process.

- Up to 99% dust extraction for a **virtually dust-free work environment**
- Featuring the exclusive **3M Precision-Shaped Grain technology**
- Designed for the **metalworking industry** to help you deliver excellent finish each time
- Available in grades ranging from 80+ to 320+

Visit our website to discover more.

Scan me:

The ultimate sanding system

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Circlip Kits

- Stainless steel clips conform to DIN 471 and BS3673
- Supplied in compartmented storage box, complete with a layout sheet giving dimensional information
- Kit 1: shaft diameters: 2.25 – 12mm, 4 – 16mm, 8 – 12mm
- Kit 2: shaft diameters: 13 – 20mm, 14 – 25mm

RS PRO

278-360	Kit 1 890-pieces	£71.94
278-376	Kit 2 450-pieces	£116.28

1200-Piece Steel Self Tapping Screw Kit

- BZP steel slotted & cross recess pan head screw kit
- Kit contains 1200 self-tapping screws, in sizes No. 4, 6, 8 & 10, supplied in a moulded plastic storage case

RS PRO

546-3478		£40.97

Tough Wipes

- Super high absorbency hand wipes with a polymer web that gives the cleaning of pumice without the scratching
- Highly effective on range of soiling including grease, oils, petrochemicals, paints, adhesives, tar, bitumen, resins
- Sold in tub of 100

ambersil

482-1508		£25.62

Wera
BE A TOOL REBEL

Kraftform Kompakt W 1 Maintenance

- Compact tool set with the 35 most important screwdriving tools for maintenance work in a robust case
- Includes VDE holder with 12 VDE blades; 1 JOKER double open-end wrench, ¼" Zyklop speed ratchet and accessories; 8 manual and power tool sockets, 1 universal bit holder; 7 screwdriving bits; 1 screw gripper and a voltage tester
- For full details visit our website

123-1889 £135.65

Kraftform 300/7 Screwdriver Set Kraftform Plus Handles

- 6-piece screwdriver set with Kraftform Plus handle for comfortable ergonomic screwdriving, which avoids blisters and calluses
- Lasertip blades: the tip clings to the screw head and prevents it slipping out
- Contains: PZ 1, PZ 2, PH2; 4.0mm, 5.5mm and 6.5mm slotted and the iconic Wera bottle opener

224-5767 £42.04

Kraftform Kompakt 400

- T-handle screwdriver for the transmission of particularly high tightening and loosening moments and fatigue-free working.
- Rapidaptor technology for lightning-fast bit changes
- Contains: PH, PZ, TORX®, Hex--Plus and Z bits
- For full details visit our website

201-2198 £68.38

Drill and Tap Set

- High performance taps and drills designed for use with most materials
- Featuring A002 drills with Titanium Nitride tip coating that minimises wear, increases tool life and allows increased performance and self-centring point for excellent positional accuracy
- Hand machine taps compliment the set in sizes M3, M4, M5, M6, M8, M10, M12

DORMER

787-8986 £97.34

M18™ Power Tool Twin Pack

- Contains two tools with powerful brushless motors - a combi drill and a ¼" hex impact driver, along with a charger and two 5.0Ah batteries
- New brushless motor design delivers 40% more torque than previous model - up to 82Nm
- Compact design provides excellent balance and control, ideal for overhead applications or work in tight spaces
- Advanced 13mm heavy duty metal chuck for quick bit changes and superior bit retention
- Optimised speed for faster drilling & fastening
- On board fuel gauge and LED light

Milwaukee
Nothing but HEAVY DUTY.

239-2927 £323.85

3-Piece Plier Set

- Professional plier set with non-slip ergonomic handles and polished heads
- Set contains: 180mm combination pliers, 160mm diagonal pliers and 250mm Cobra waterpump pliers

KNIPEX

815-6344 £61.46

½" Impact Wrench

- Compact and lightweight allowing you to get into even smaller spaces, while the LED ring illuminates your workspace
- Delivers 340Nm of max tightening torque and 542Nm of max breakaway torque to tackle stuck and stubborn fasteners
- 1/2"anvil with hog ring delivers quick and easy socket change
- Includes 1 x 5Ah batteries, multi-voltage charger and TSTAK box

224-0555 £253.61

3/8" Impact Wrench

- Compact and lightweight allowing you to get into even smaller spaces, while the LED ring illuminates your workspace
- Delivers 340Nm of max tightening torque and 542Nm of max breakaway torque to tackle stuck and stubborn fasteners
- 3/8"anvil with hog ring delivers quick and easy socket change.
- Includes 1 x 5Ah batteries, multi-voltage charger and TSTAK box

224-0556 £253.61

Drill/Driver

- 15 position adjustable torque control for consistent screwdriving into a variety of materials
- 10mm single sleeve keyless chuck with automatic spindle lock for quick and easy bit change
- Includes 2 x 2Ah batteries, multi voltage charger and TSTAK box

185-1447 £204.23

XR Brushless Sub-Compact Twin Pack

- Engineered to be a perfect heavy duty combination yet designed to be ultra-compact
- Efficient brushless motors deliver high performance and extended tool life, allowing you to get the job done
- Impact driver delivers up to 163Nm of torque which is ideal for repetitive tasks driving fixings into wood and metal
- Drill/driver features 15 adjustable torque positions for consistent screwdriving into a variety of materials with different screw sizes
- Kit includes: DCD701 impact driver, DCF801 drill/driver, 2 x 3Ah batteries, charger and TSTAK box

185-1450 £292.47

Oil Test Kit and Analysis Service

- Oil analysis is an excellent indicator of issues developing within a mechanical system. A single, detailed analysis of an oil sample can be a valuable preventative maintenance tool, but it comes into its own as part of an ongoing programme
- Trending wear, contamination and lubricant chemistry provide insight into potential problems before they escalate to a more serious issue
- This self-serve, prepaid kit provides everything you need to collect in service oil samples and return to our laboratory, including full analysis by our team of ICML certified chemists and full reporting returned to you via email
- All analysis and reporting are included in the price with nothing more to pay

RS PRO

221-4799 Box of 10 **£310.50**

FLIR AX8 Thermal Sensor

- A compact and easy to install thermal imaging camera for continuous condition monitoring
- Provides continuous temperature monitoring and alarming for critical electrical and mechanical equipment
- Automated alarming when pre-set temperature thresholds are exceeded
- Temperature trend analysis
- Results can be shared to a PLC

TELEDYNE FLIR Everywhereyoulook™

893-8489 **£905.32**

Fluke TiS75+ Thermal Camera

- Be proactive instead of reactive. Fluke thermal cameras are: Rugged. Reliable. Accurate. Perfect for predictive maintenance in an industrial environment
- Infrared resolution: 384 x 288
- Temperature range: -20°C to 550°C
- 3.5" VGA touchscreen LCD display
- Water and dust resistant to IP54
- Engineered to withstand a 2m drop

FLUKE

215-3173 **£4,239.00**

FLIR SV87 Vibration Meter

- Make informed decisions about machine operation and maintenance, reducing unplanned downtime, lowering operational costs, and improving profitability
- A wireless connected sensing-solution designed for continuous vibration and temperature monitoring
- Ideal for manufacturing environments that use rotating machinery, industrial pumps, fans, gearboxes, and motors
- Vibration trending and analysis can help detect serious problems with industrial machines long before the damage can be seen
- The remote monitoring gateway (supplied with kit) stores sensor data and wirelessly transmits readings in real time to a mobile device or PC for analysis

TELEDYNE FLIR Everywhereyoulook™

211-0028 SV87 kit (4 sensors and gateway) **£849.00**

211-0027 SV87 additional sensor **£214.00**

ACOEM Bearing Defender Vibration Meter

- Offers instant advice on the health of your bearings. It makes sure that your machine can keep spinning without risk
- Easy to use and incredibly fast
- Clear red/amber/green indication via an app of: 3D bearing health, 3D misalignment or unbalance, 3D miscellaneous defects
- Physical contact enabled by screwfit contact point or bipolar magnet (both included in pack)
- Only 42mm diameter x 116mm height, and operating temperature range -20°C to 60°C

acoem

206-3807 **£2,176.47**

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