



ACORN[®]
industrial services limited

Maintenance Hire Range



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Benefits of hiring

Hiring maintenance equipment can be a low-cost way of ensuring your machine's components are fitted, aligned and monitored correctly.

The initial cost outlay of hiring is offset by the benefits of following best practices for mounting and dismantling components. These include prolonging the life of components, reducing machine downtime due to early component failure and minimising routine maintenance.

The use of correct maintenance tools ensures you maximise the life of your assets. By optimising component potential, you can improve productivity, reduce energy and become more efficient whilst reducing costs in the long run.

Try before investing.

Many customers use our hire service to 'try out' maintenance equipment. Most are so impressed with the results that they purchase the hire equipment on the spot or invest in the same model.

Our approach to hiring is highly flexible. Hire equipment for one day, a week or even a few weeks; the choice is yours. Should you need the equipment for longer, simply call our sales team and extend your hire term.

If you have any other questions, please do not hesitate to contact our sales team, who will be happy to help with your requirements.



Why choose ACORN?

With over forty years' experience supplying bearings, power transmission products, couplings and drives, linear systems, and maintenance equipment to industry, our team is knowledgeable, approachable, and easy to deal with. We'll help you improve reliability, reduce downtime, and keep your operation running efficiently. We're also one of Europe's largest SKF-approved Maintenance Product Partner.

In addition to the seven million items held in stock, ACORN also provides services including:

- **RecondOil.** A truly circular use of oil with Double Separation Technology.
- **Remanufacturing.** Refurbish, recondition, or upgrade your key components and systems to reduce the life cycle cost of your industrial equipment.
- **Repair and calibration.** Maintenance equipment can be repaired and/or recalibrated.
- **Training solutions.** Training tailored to your specific requirements (See back page for further details).
- **Training solutions.** Training tailored to your specific requirements (See back page for further details).
- **Connected technologies.** Maximise reliability and output from your machinery and your production process while driving down the total cost of ownership. Whether solving a specific rotating equipment problem, increasing your plant performance or improving your overall maintenance efficiency, ACORN is your partner. With access to application insights, and the right products, connected technologies and solutions, we can help you get the performance you're looking for from your rotating equipment.

How to hire equipment

Hiring maintenance equipment from ACORN is easy. Simply follow these steps:

STEP 1. Select the equipment required. Our product specialist are on hand to offer assistance if you have any questions.

STEP 2. Decide the duration. Hire from one day, a week or more. We're very flexible, and should you decide that you require the equipment for longer, simply give us a call to extend the hire period.

STEP 3. Call 0800 8766 441 to arrange your hire. Our friendly sales team will be happy to arrange everything.

STEP 4. Choose whether to collect the equipment or have it dispatched by our team.

STEP 5. Return the equipment, or we can arrange the collection for you.

A NOTE ABOUT QR CODES



Throughout this brochure we have included QR code links to product pages on our website where you can find more information such as data sheets and informative videos. You can also purchase the items online rather than hire equipment if preferred.

Bearing heaters



Portable heaters

SKF TMBH 5

Small, portable induction heater, suitable for worktops

Versatile enough to be used in a range of situation, including at a work bench, on the factory floor, or out in the field. Heat is generated within the bearing through an induction clamp for very efficient heating.

Product features

Bearing weight range: up to 5kg
 Min. bearing bore diameter: 20mm
 Max. bearing outer diameter: 100mm
 Max. bearing width: 50mm

Hire price starting from: £200



SKF TWIM 15

Portable and lightweight induction heater

A support yoke is not required for this heater, due to the induction plate's flat shape. Not only does this increase the variety of components that can be heated on the plate, but it reduces the number of accessories needed to use the heater.

Product features

Bearing weight range: 0.5Kg - 20kg
 Min. bearing bore diameter: 30mm
 Max. bearing outer diameter: 320mm
 Max. bearing width: 85mm

Hire price starting from: £200



Hire price starting from: £230

SKF TIH 030m

Max. bearing weight: 40kg
 Bore diameters: 20mm - 300mm
 Temperature range: 20 - 250°C



Hire price starting from: £225

Simatec IH025

Max. bearing weight: 10kg
 Bore diameters: 20mm - 160mm
 Temperature range: 20 - 180 °C



Hire price starting from: £250

Simatec IH045

Max. bearing weight: 45kg
 Bore diameters: 20mm - 310mm
 Temperature range: 20 - 180 °C

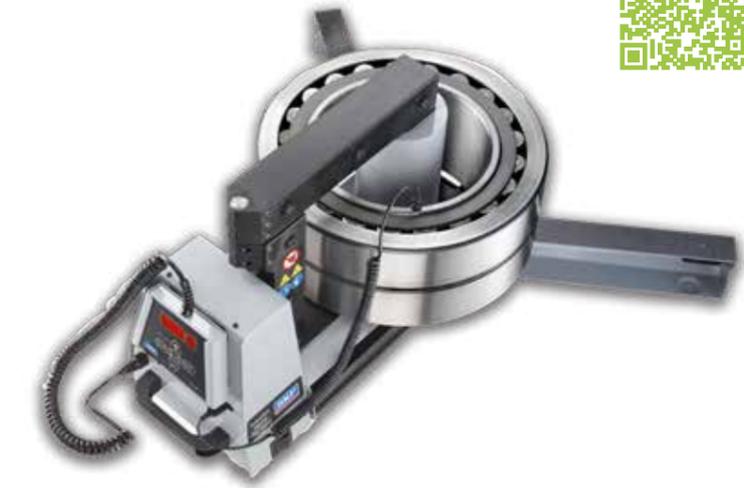


Hire price starting from: £350

Simatec IH125 Swivel Arm

Max. bearing weight: 150kg
 Bore diameters: 20mm - 400mm
 Temperature range: 20 - 250 °C

Induction heaters



SKF TIH 100m

Medium size heater, ideal for use on workbenches.

Supplied with a swivel yoke along with two smaller yokes to accommodate the heating of small - medium size bearings.

Product features

Max. bearing weight: 120kg
 Bore diameters: 20 - 400mm
 Temperature range: 20 - 250 °C

Hire price starting from: £340

Heating services

Mobile heating services

ACORN can offer a full heating and mounting service. Save precious time while ensuring bearings are mounted safely and securely and all for a fraction of the cost of an induction heater.

This service can also be used for mounting other components, such as gears, couplings, and spacers etc.

Heater details

SKF TIH 220m

- Capable of heating a 220kg (480lb) bearing in just 20 minutes.
- Two yokes, allowing bearings with a bore diameter from 60mm (2.3in) up to a maximum weight of 300kg (600lb) to be heated.
- Slide arm for large size yoke.

*415v twin phase 32A supply required.

Hire price starting from: £750



Available for individual hire and as part of a heating service package.



Shaft alignment



SKF TSKA 51

Product features

- Sensors and communication: 20mm.
- System measuring distance 0.07 to 5m (1.23 to 16.4ft).
- Measuring errors: $<1\% \pm 10 \mu\text{m}$
- Operating time: up to 8 hours, rechargeable Li-ion battery fast charging: 10 min. charging for 1hr usage.
- Operating device: Android tablet or smart phone with min. Android 9, Apple iPad, iPhone with min. iOS 9.

Hire price starting from: £470



SKF TSKA 31

Product features

- System measuring distance: 0 to 185mm (0 to 7.3in).
- Measuring errors: $<2\%$.
- Operating time: up to 18 hrs, rechargeable LiPo battery.
- Alignment method: alignment of horizontal shafts, 3 position measurement 9 - 12 - 3.
- Shaft diameters: 20 to 150mm (0.8 to 5.9in).
- Max. coupling height: 55mm (2.2in) with standard 80mm rods.

Hire price starting from: £430



SKF TSKA 11

Product features

- System measuring distance: 29mm (1.1in).
- Measuring errors: $<0.5\%$.
- Operating time: up to 16rs, rechargeable LiPo battery.
- Alignment method: alignment of horizontal shafts, 3 position measurement 9 - 12 - 3.
- Shaft diameters: 20 to 160mm (0.8 to 6.3in)/300mm (11.8in).
- Max coupling height: 105mm (4.2in) or 195mm (7.7in) with extension roads (included).

Hire price starting from: £180

Belt alignment



SKF TKBA 40

Product features

- Powerful magnets allow fast and easy attachment.
- Three-dimensional target area simplifies the alignment process.
- Facilitates simultaneous adjustment or tension and alignment.
- V-guides facilitate the alignment of a wide range of V-belt pulleys.
- Laser line length 3m at 12m (9.8ft at 6.6ft).
- Measurement accuracy angular: better than 0.2°.
- Measurement accuracy offset: better than 0.5mm (0.02in).
- Measurement distance: 50mm to 6000mm (2in to 20ft).
- Mounting: magnetic, groove mounted (optional side adapter TMEB A2).

Hire price starting from: £160



Alignment accessories

Belt frequency meter

SKF PHL FM 10/400

*Shims available with this hire

Belt Frequency Meter is a two component system consisting of a hand-held meter attached to an optical sensor via an electronic cable. The sensor uses an infrared beam to detect the vibration of a belt strand and sends a signal to the meter. (The sensor includes an LED that produces an orange light beam to help aim the invisible infrared ray.) Comparing this input to the vibration of a quartz crystal, the meter computes the natural frequency of the belt. The result is shown in the display window as hertz (oscillations per second). The internal programming of the meter is also able to report the belt tension in units of force (either newton or pounds-force) provided the operator has entered the belt mass and span length using the manually operated key pad.

Hire price starting from: £170



Shim Kit

SKF TMAS 360

Precise machine adjustment is a vital part of any alignment process. Made from pre-cut stainless steel, these shims are durable and corrosion-resistant, making them suitable across a wide range of industries. They also can be reused, supporting efficient maintenance.

- Shim size (mm): 50x50mm, 75x75mm, 100x100mm
- Quantity per thickness: 20
- Thickness (mm): 0.5, 0.10, 0.25, 0.5, 1.00, 2.00



Hydraulic pullers



SKF TMMMA 75H/SET

Product features

- Puller: TMMMA 75H
- Trisection pulling plate: TMMS 100
- Width of grip shaft, min: 26mm
- Width of grip shaft max: 100mm
- Effective arm length: 200mm
- Puller protection blanket: TMMX 280
- Max. diameter: 280mm

Hire price starting from: £90



SKF TMMMA 100H/SET

Product features

- Puller: TMMMA 100H
- Trisection pulling plate: TMMS 160
- Width of grip shaft, min: 50mm
- Width of grip shaft max: 160mm
- Effective arm length: 250mm
- Puller protection blanket: TMMX 350
- Max. diameter: 350mm

Hire price starting from: £140



Internal Bearing Puller Kits



SKF TMIP 7-28

Product features

- Application: dismantling bearings from housings where the fit is on the outer ring
- Bearing bore range: 7 to 28mm
- Fast-fit extractors: spring-loaded design
- Impact removal: grips behind inner ring for higher pull force
- Supplied in carry case
- Weight: 3.1kg

Hire price starting from: £40



SKF TMIP 30-60

Product features

- Application: dismantling bearings from housings where the fit is on the outer ring
- Bearing bore range: 30 to 60mm
- Fast-fit extractors: spring-loaded design
- Impact removal: grips behind inner ring for higher pull force
- Supplied in carry case
- Weight: 5.4kg

Hire price starting from: £60



SKF TMMD 100

Product features

- Application: deep groove ball bearing puller for blind housings
- Bearing bore range: 10 to 100mm
- Suitable for dismantling up to 71 bearing sizes
- Safe handling: spanner top function
- Supplied in carry case
- Weight: 3.6kg

Hire price starting from: £80

Handling Tools

Simatec Bearing Handling Tool

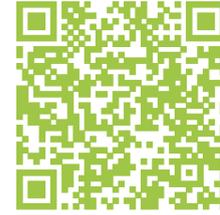
Multiple sizes available: BHT 200-400, BHT 300-500, BHT 500-700. Facilitates safe handling of large size bearings.

Two handles on opposite sides and two carrying belts, bearings can be easily transported with a lifting crane. Bore remains open so bearings can be safely and easily placed onto a shaft.

Product features

Max. lifting force: 150kg (BHT 200-400)
Outer diameter: 200-400mm (BHT 200-400)
Max. lifting force: 500kg (BHT 300-500)
Outer diameter: 300-500mm (BHT 300-500)
Max. lifting force: 500kg (BHT 500-700)
Outer diameter: 500-700mm (BHT 500-700)

Hire price starting from: £100



Oil Injection Mounting



SKF THAP300E

Air-driven oil injector for mounting and dismounting couplings, bearings, flywheels, and railway wheels at pressures up to 300 MPa/43,500psi.

Supplied in sturdy case, including oil suction and return hoses with quick-connect couplings.

Product features

Max. operating pressure: 300 MPa (43,500 psi)
Operating air pressure: 7 bar
Thread: G 3/4
Volume per stroke: 0.83 cm³
Weight: 13kg

Hire price starting from: £250



Condition Monitoring Tools

Sensors

SKF QuickCollect Sensor Kit

Portable bluetooth vibration and temperature sensor kit that pairs with iOS/Android app to monitor machine health.

Supplied as a complete kit including the CMDT 391 sensor, magnet, power supply, accelerometer/cable, BNC adaptor and carry case.

Product features

Measurements: velocity, acceleration & temperature
Connectivity: bluetooth to iOS/Android devices
Protection: IP65, rugged design with 1.8m (6ft) drop test
Battery: rechargeable lithium, approx. 8 hours normal use
Kit weight: 2.19kg

Hire price starting from: £250



Thermometers



Hire price starting from: £30



SKF TKTL 21

Infrared Thermometer
Temperature range: -60 to +760°C
Distance-to-spot ratio: 30:1
Weight: 1.15kg
Battery type: 2x AAA alkaline



Hire price starting from: £30



SKF TKDT 10

Contact Thermometer
Temperature range: -200 to +1,372°C
Weight: 0.2kg
Battery type: 3x AAA alkaline

Endoscope & Stroboscopes



Hire price starting from: £100



SKF TKES 10F

Endoscope
Tip diameter: 5.8mm
Insertion tube length: 1m
Probe working temperature: -20 to +60°C
Depth of field: 1.5 to 6cm



Hire price starting from: £30



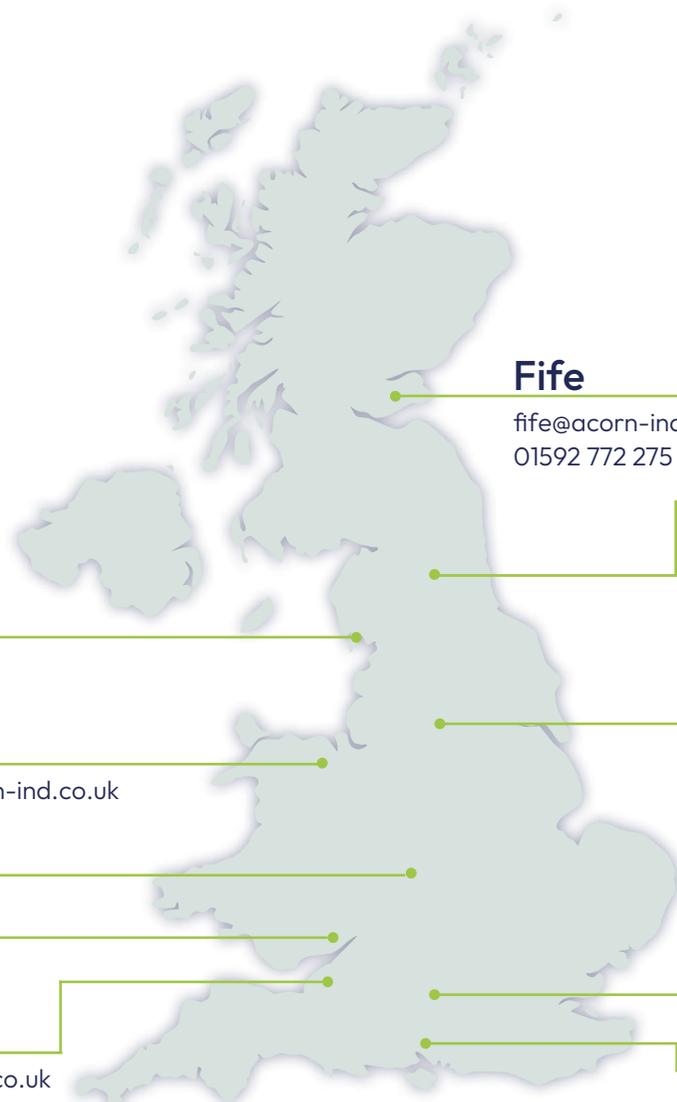
SKF TKRS 11

Stroboscope
Light power: > 2000 lux
Brightness: adjustable 0.2° to 5.0°
Accuracy: ±0.02%
Power source: 3x AA batteries

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Rated Excellent



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