



ACORN[®]
industrial services limited

Services

Bearing Services



Bearing Remanufacturing

Restore any brand bearing to like-new condition, ideal when new bearings face long lead times.



Bearing & Housing Modification

Includes circlip grooves, tapered bore, clearance and lubrication modifications, preload spacers, anti-rotation notches, dimensional adjustments, plus housing drilling, tapping, coating, and painting.



Bearing Relubrication

Specify the bearing and lubricant & receive it pre-filled and ready to use.



Production Line Mapping

Start-to-finish map of production lines, with a review of the bearing applications in sequence, and alternative solutions for any unsuitable products.



Bearing Installation

Ensure bearings are removed and fitted correctly, minimising shaft damage and maximising bearing life.



Lifetime Calculations

Create and interpret lifetime calculations and identify potential project success or failure.



Application Review

Gathers relevant application details and offer product & maintenance solutions based on findings.



Product Cross Referencing

Cross-reference an OEM part number on your production line to an equivalent bearing of the same or higher quality.

Power Transmission Services



Belt & Chain Cutting

Includes HTD timing belts, poly-v belts, and polyurethane belts in as little as 30 minutes. Additionally, chain can be cut-to-length.

Failure Analysis

Identify the cause of failure and correctly advise any corrective actions.

Drive Systems Calculations

Maps out drive systems with easy QR codes for identification, part number and tensioning details for replacement drive parts.

Belt Repair

Reliable solutions for repairing and maintaining various types of belts used in industrial applications using LOCTITE® rubber belt repair compounds.

Application Review

Analysis and recommendations to ensure that the right components are selected and used effectively.

Product Cross Referencing

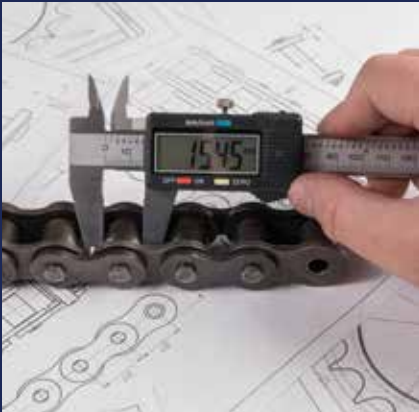
Review your existing belt and chain inventory, matching manufacturers' original part numbers to equivalent products of the same or higher quality.

Installations

Training and advice on best practices for storage, alignment, tensioning, and maintenance of your drive.

Coupling Services

Coupling calculation & selection, identification & cross referencing, installation, modification & coupling failure analysis.



Maintenance Services



Quick Maintenance Review

Identify strengths and weaknesses in maintenance practices with a comparison to similar companies.

Condition Monitoring Hire

Includes SKF Quick Collect, SKF Infrared thermometer, SKF Endoscope, SKF Grease Test kit.

Bearing Pullers Hire

Includes SKF EasyPull Hydraulic Puller Set, SKF Strong Back Puller, SKF Internal Puller Kit 30-60KIT & 100KIT

Hire Range

Hire range includes bearing heaters, pullers, shaft alignment & condition monitoring.

Alignment Tool Hire

Includes SKF Shaft Alignment Kits TKSA 11, 41, 51. SKF Belt Alignment Kit TKBA 40. SKF Belt Frequency Meter.

Bearing Heaters Hires

Includes TWIM15, TIH030m, TIH100m, TIH220m, mobile heating service to heat and fit bearings.



Lubrication Services



Lubrication Survey & Audit

Audit of lubrication practices for compliance. Includes a detailed list of assets, lubrication points, lubricants, application methods, and task frequencies.

Quantity and Frequency Review

Check that the quantity and frequency of lubricant application is optimal for each application.

Oil Reconditioning

Cleans oil and brings it back to the same condition as new oil.

Application Review

Map out production lines with easy QR codes for identification, part number and tensioning details for replacement drive parts.

Lubricator Refilling

Refilling service for your single point automatic lubricators.

Oil Debris Analysis

Troubleshoots issues with oil contamination, checking for loss, or use of additives and external contaminants.

Linear & Automation Services



Guide Rail Cutting

Linear guide rails in standard and corrosion resistant options from several manufacturers which can be cut and supplied to specification.

Ballscrew & Linear Shaft Machining

Fully machined and tailored ballscrew and precision shaft assemblies specification.

Ballscrew & Linear Actuator Repair

Repair and refurbishment of current and old or obsolete units.

Design Review & Process Optimisation

Full linear guide and drive review to optimise systems in a compact arrangement.

Maintenance, Lubrication & Failure Analysis

Diagnose the root cause and receive advice and suggestions on corrective actions to avoid repeat problems.

Precision Shaft Cutting

Stock lengths of precision shaft are ready to cut and supply within very short lead times.

Linear Guide Kitting & Assembly

Select and supply optimal items to kit and assemble for any machine set or build requirement.



Motor, Pump & Gearbox Services



Electric Motor & Pump Repairs

Anaylsis, repair, overhaul, in-house electro-engineering of motors and pumps.



Lift & Shift

Removal, repair, and refit of drive motors. Laser alignment of motor and compressor shafts.



AEGIS Ring

Shaft surrounding rings to prevent destructive shaft voltage form reaching essential components.



Laser Alignment

Alignment of motor connected shafts.



Vibration Analysis

Vibration analysis and diagnostics for motor. Identify issues such as misalignment, mechanical looseness, pipework failures and more.



Thermography

Detecting poor connections, electrical leakage, insulator defects, internal fuse damage, and oxidation of high voltage switches.



Shaft Voltage Testing

Spark erosion testing, shaft voltage testing of VFD driven motors.

Other Services

Other Pump Services

Coatings
Protective coatings resist wear, corrosion, and chemical damage, prolonging the life of pumps.

Other Gearbox Services

Repair & Refurbishment
Gear Cutting & Grinding

Other Motor Services

Inspection, Testing & Servicing
Gear Cutting & Grinding

Precision CNC Machining Services

Machining Services
Turning
Milling
Grinding

Condition Monitoring Services

System Specification
System Installation

Other Services

Maintenance Contracts
Consignment Stocks
Total Cost of Ownership



Training Days

Standard Courses

Acorn are able to offer a wide range of standard training courses from our experts. Our training brochure is available at request or contact our head office

Tailored Courses

Our tailored courses are designed around the end user usage. Be that specific product ranges, sizes or types.

Workshops Days & Product Demos

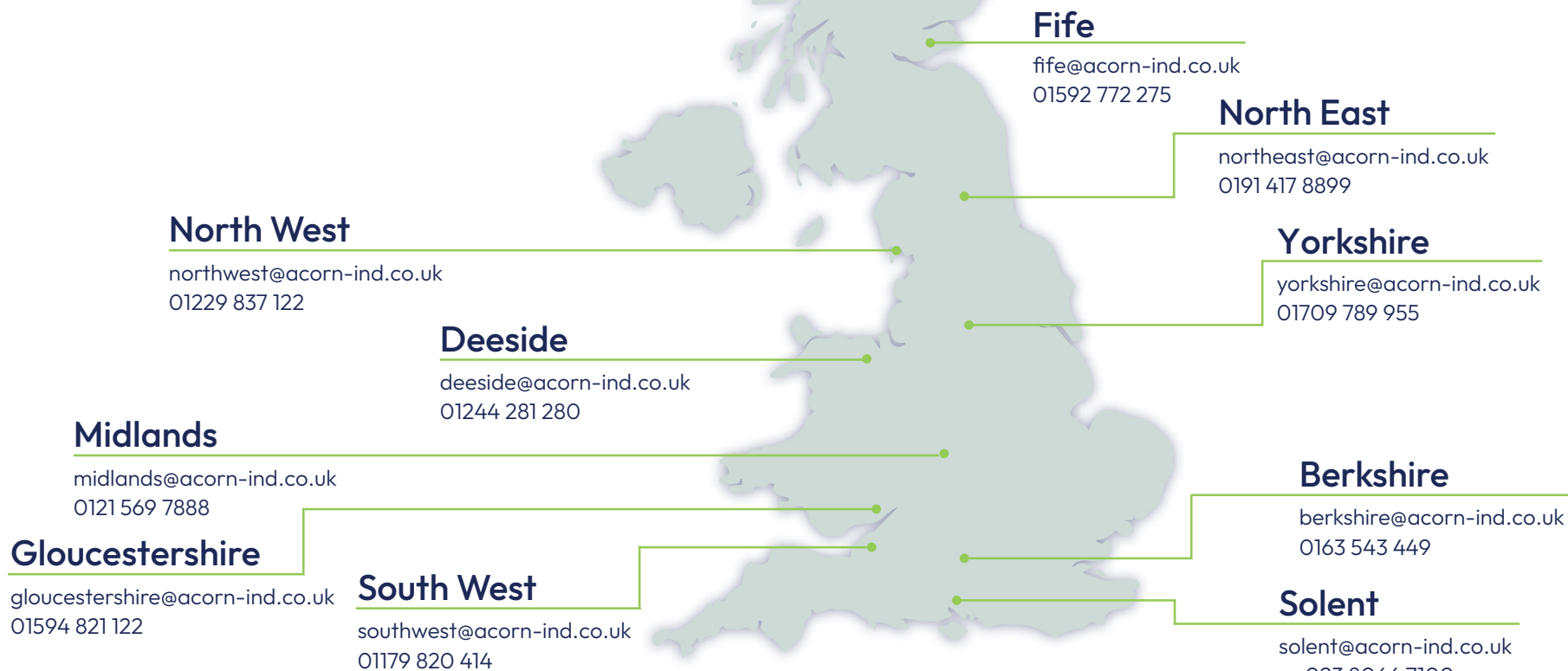
Our workshop days are a great way to learn about new products that might be suitable for your site. Acorn will bring our experts and products to show you the latest technology associated with your industry. Having done many of these days each end user always finds something of interest and has a lightbulb moment.

Training Rigs

Having created several custom designed training rigs, Acorn are able to offer our expertise to help design and create bespoke training rigs to permanently be used on site. We offer to fully support with best practice training requirements as and when required.



Your local branch



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Rated Excellent



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