

HAYLEY 24/7

Member of DEXIS Europe

24/7/365 non-stop engineering excellence

Your partner for predictive, planned and reactive
mechanical engineering services



FAST | EFFECTIVE | ENGINEERING



Member of DEXIS Europe

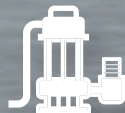
24/7/365 non-stop engineering excellence

Our purpose is to work with customers to maintain operations, increase efficiency, reduce costs, and secure asset performance gains. Providing customers with quality round-the-clock coverage for both planned and reactive maintenance and repairs.

Our team of highly regarded and experienced engineers, working with cutting-edge equipment, are capable of delivering a range of mechanical engineering services including:



**Gearbox
refurbishment
and overhaul**



Pump services



Machining



Fabrication



**Electric motor
repairs & rewinds**

“No matter the time or day, you can be certain that Hayley 24/7 is there to help” - Mark Brady, Managing Director

Working with you to:

- ✓ Maintain operations
- ✓ Strive for efficiencies
- ✓ Lifecycle cost reduction
- ✓ Asset performance gains

We service leading organisations within the following sectors:

- Aerospace
- Automotive
- Aggregates and mining
- Chemicals and pharmaceuticals
- Construction
- Facilities management
- Food and beverage
- Metal manufacture and processing
- Pulp and paper
- Utilities

Our facilities

We continue to invest heavily in our people, equipment, and technology to stay ahead of the game. We are located in a modern 35,000 sq. ft. engineering facility in Dudley, West Midlands; with a state-of-the-art satellite facility in King's Lynn, Norfolk.

- ✓ Inhouse machine shop
- ✓ Inhouse fabrication facility
- ✓ Inhouse pump performance testing
- ✓ Approved Belzona coating facility
- ✓ Inhouse electric motor rewind facility





Gearbox refurbishment and overhaul

Leaders in industrial gearbox refurbishment and overhaul

We are accredited by SKF as a Certified Gearbox Rebuilder, becoming the very first company in the UK to be bestowed with this accolade.

We specialise in the refurbishment and emergency repair of all types of industrial gearboxes. Ranging from large custom-built crane gearboxes, pulverising mill gearboxes, and extruders to smaller catalogued gearboxes, and geared motors.

- ✓ Same day collection, strip down, and reporting
- ✓ Detailed inspection report and rebuild quote
- ✓ Up to 50 tonnes capacity
- ✓ Washdown and steam clean facility
- ✓ Fully equipped spray booth
- ✓ Testbed facility
- ✓ 300 tonnes horizontal and 150 tonnes vertical press capacity
- ✓ Full process and quality control documentation for all repairs
- ✓ On-site support available for inspection, plant removal and installation work
- ✓ Permanent night shift engineers for full 24-hour coverage
- ✓ Callout system in place for full 24/365 breakdown requirements
- ✓ The supply of OEM parts
- ✓ Re-engineering of obsolete components
- ✓ OEM warranty
- ✓ Root cause failure analysis service
- ✓ Oil analysis service
- ✓ Vibration analysis service
- ✓ Asset management

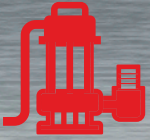




Gearbox types include

- Helical speed increasers
- Single & double reduction worm reducers
- Helical & helical bevel reducers
- Geared motors
- Shaft-mounted reducers
- Variators
- Epicyclic units
- Planetary units





Pump services

We specialise in all pump repairs and refurbishments from a basic pump repair right through to a complete pump turnkey project, including full energy efficiency up-grade and refurbishment in accordance with the WIMES specification. We also have the capability to design and manufacture pump baseplates, pipework, and protective coatings all in-house to support our site removal, installation, commissioning, and pump performance testing services.

Pump types

We can repair and refurbish all types of pumping equipment, from all manufacturers, including:

- End-suction pumps
- Multi-stage pumps
- Boiler-feed pumps
- Split-case pumps
- Wet-end pumps
- Submersible pumps

Pump testing facility

Our purpose-built facility enables us to complete both conventional and thermodynamic testing to verify hydraulic efficiency, flow, and head performance. Also, to monitor full FFT performance using wireless vibration sensors, before recording the results on our Asset Minder platform.

- ✓ 2x 7000L test tanks for wet-end and submersible pumps.
- ✓ Capable of 650m³/h @ 110m for end-suction, split-case, and multi-stage pump sets
- ✓ Capable of Factory Acceptance Testing (FAT) on new assets
- ✓ Optional live video stream of testing available to customers

Conventional
(pressure - volume)
method

BS EN ISO 9906:2021
IEC 60041
ISO 5199

Thermodynamic
(enthalpy - entropy)
method

BS EN ISO 9906:2021
IEC 60041
ISO 5198/9
Pump Centre 69527

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A DEXIS company



Belzona approved coating centre

Work is carried out in a specially designed and controlled environment for the application of Belzona WRAS Approved efficiency, abrasion, and chemical-resistant coatings. All coatings are applied in accordance with the relevant ISO Standard ISO 5802.

Dynamic balancing

We are always looking at increasing our customer's asset performance and increase MTBR and an important part of that process is the dynamic balancing of all of the rotating elements of a pumping asset.

- Rotating elements up to 3000kg
- Maximum distance of 2.5m between bearing centres

We provide full detailed condition reports following a complete strip down and inspection of all of the pump repairs.





Electric motor repairs & rewinds

We specialise in the repair of electrical motors from a wide variety of manufacture and can repair all types and sizes, ensuring the repair is carried out to a high standard to maintain the units efficiency.

Our capabilities over two sites

- AC/DC motor repairs can completed on and up to 50 tonnes
- AC/DC motor – pumps – geared unit – fans – coil rewinds – servos
- Atex rated equipment repairs and rewinds

Extended capabilities

- Collection and delivery service
- Experienced team to help with on-site fault finding and reporting
- On site services include removal / installation / bearing change
- Detailed reporting containing photographic evidence of the repair requirements prior to commencement
- All repairs are fully stripped, winding are tested using specialist equipment to ascertain if rewind is required
- All motors are rewound with class F/H specification material, new state of the art burn-out oven is used to remove the old windings
- All pumps are fully wet tested and performance tested
- All units are retuned with a test certificate and a protective wrapping



**Only quality
components used in
every project**





Machining

We specialise in reactive, reclamation, and refurbishment work, including reverse engineering.

Our state-of-the-art machining facility can accommodate a comprehensive range of small to large, heavy components with a capacity of 12 tonnes for single components. We cater for all sub-contract machining requirements with a vast amount of experience in an array of materials such as aluminium, bronze, brass, carbon steels, cast iron, cast steel, hardox, nickle alloys, plastics, stainless steel, and tufnol.

Using the latest CAD/ CAM software we are able to offer drawing and design services. Using the CAM Software we can programme offline and send it directly to the machine tool. This has its advantages by increasing efficiency with tool paths and working in conjunction with tool changes.

Our technical, skilled, and committed team of machinists boast a wealth of experience from various industry sectors working under tight tolerances and in the most demanding environments.

We are equipped to offer a diverse range of machining disciplines

- CNC and conventional turning
- CNC and conventional milling
- Vertical boring
- Horizontal boring
- Slotting
- Broaching
- Surface grinding
- Cylindrical grinding
- Gear cutting

“We work with the latest CAD software to produce 3D models and manufacturing drawings.”



Our milling services provide 3 & 4 axis machining of components with a machining profile of 3M (Y) x 1.5M (X) x 1.5M (Z) and our turning services provide machining of components with a swing of Ø780mm and a bed length off 3M between centres.

Additional services include

- Normalising
- Stress relieving
- Heat treatment
- Grinding
- Electrical discharge machining (wire and spark)
- Metal spraying and specialist coatings
- Priming and painting
- Powder coating
- Plating
- Galvanising
- Anodizing
- Load Testing & NDT Testing
- Machining Services Department is available 24 hours a day, 365 days a year

Our inspections services are carried out in accordance with our ISO 9001 Quality Management System and include both manual and CMM Inspection. Inspection Reports, Certificate of Conformity & Material Certification supplied at customer's request.

Quality is key

With continual improvement, we're delivering innovative investment with machine tools, tooling, software, and training to cater to the ever-changing requirements throughout the industry.





Fabrication

Our fabrication department is available 24 hours a day, 365 days a year.

We specialise in reactive, reclamation and refurbishment work, including reverse engineering. Our dedicated fabrication facility offers a comprehensive range of small to large, heavy fabrications with a capacity of 5 tonnes for single components, and 50 tonnes for full assemblies. Our welders are coded and offer TIG, MIG, and MMA welding processes working in accordance with weld procedures across a variety of materials such as; aluminium, inconel, mild steel, and stainless steel.

We can supply fabrication projects with a range of additional services

- Machining
- Stress relieving
- Soda or abrasive blasting
- Priming an painting
- Powder coating
- Plating
- Galvanising
- Anodizing
- Load testing
- NDT testing
- Installation service

Using the latest CAD/ CAM software we are able to offer drawing and design services enabling us to produce FEA & FMEA analysis on our and your designs. All delivered by our in-house design, manufacture and installation team.





**Our fabrication
department offer
onsite services across
the UK to include
fabrication, installation,
maintenance, and repair
to suit the customer
requirements.**

Quality is key

Work performed by our engineers/Hayley 24/7 is undertaken in accordance with our ISO 9001 Quality Management System, our ISO 45001 Health & Safety Policy and our ISO 14001 Environmental Policy. This is also accompanied by our Safe Contractor and Achilles accreditation.

Our success stories

We pride ourselves on improving efficiency and reliability, as well as and reducing the maintenance and running costs of assets that come through our workshops. Here is a selection of our success stories:

Rapid component manufacture enables car plant to produce new model chassis

The team worked through 24hr shifts to design, manufacture, and install over 100 sets of fixture components for a car production line. The job was completed within a challenging timescale during a Christmas shutdown, to minimise the downtime required by the customer. Due to the work, the facility was able to produce the new model chassis with zero production loss.

Hayley 24/7 support a Hayley Group customer in time of breakdown

A Hayley Group customer had suffered a gearbox unit and shaft assembly breakdown at their production facility. With each passing hour, the customer was losing-out on potential revenue, with output ground to a halt. As soon as the assembly had arrived in the workshop, the team set to work on diagnosing issues and planning their solutions. Machining work was completed to an incredibly tight deadline, using quality materials in-stock at Hayley 24/7. Without out-of-hours support, the customer would have faced an extended period of costly downtime.

Full pump refurbishment by Hayley 24/7 improves energy efficiency

Following the standard strip and inspection being completed at the Dudley workshop, it was determined that the pump's internal clearances were outside of both the OEM's values and the Water Industry Mechanical & Electrical Specifications (WIMES). A full energy efficiency refurbishment was recommended and accepted by the customer. Individual components within the pump were cleaned, inspected, and tested with results recorded in a detailed condition report, with all issues found then addressed. The pump's impeller, volute casing, and back wear plate were also coated with Belzona 1341 to reduce friction losses and improve the pump's hydraulic efficiency.

Overhaul SPX Clyde Union Pump

We were very impressed with the service and workmanship. Our Hayley 247 account manager personally delivered the pump back to the site, which was impressive.



Reclaim Retort Main Drive Shaft for leading international food and beverage manufacturer

Very good service from the initial phone call enquiry to receiving the unit back. The quality of the finish and the turnaround time was excellent.



Overhaul Ravago Pallman Shaft Assembly

The Pallman shaft was repaired and renewed to a very high standard. We appreciate that you need to pay for quality and this shaft was a critical part of the process. We are very impressed with the service from Hayley 247 and will use them again.



Overhaul Renold HUD10 Gearbox for a large utility company

First time we had used Hayley 247 for refurbishment work. Brilliant service, we were really impressed.



50+

Branches Nationwide

To find your nearest branch visit
www.hayley-group.co.uk

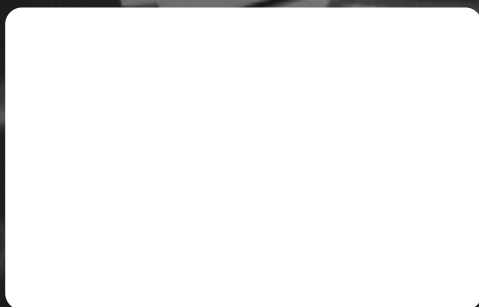
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Your local branch:



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