



All the **PUMP**
Know-How you need.

Distribution with a difference

All the **Pump** know-how you need www.eriks.co.uk

Why should you work with ERIKS?

One compelling reason is that we offer you fast, cost-effective access to an extensive range of market-leading product brands. But this is far from all. Our exceptional knowledge, coupled with our range of in-house expertise, means that we are ideally positioned to provide total solutions based on a true understanding of your needs. Solutions which make a real difference to your business.

More leading brands, *more* products, *more* knowledge

People are the key

No company in the UK can match ERIKS' geographical coverage for pump services. Encompassing new product and repairs, our Pump Division is run and operated by people who combine dedication to customer support with years of experience in areas which range from abstraction of water, through food and beverage to wastewater treatment. Ultimately it's the know-how of our people that make the difference.

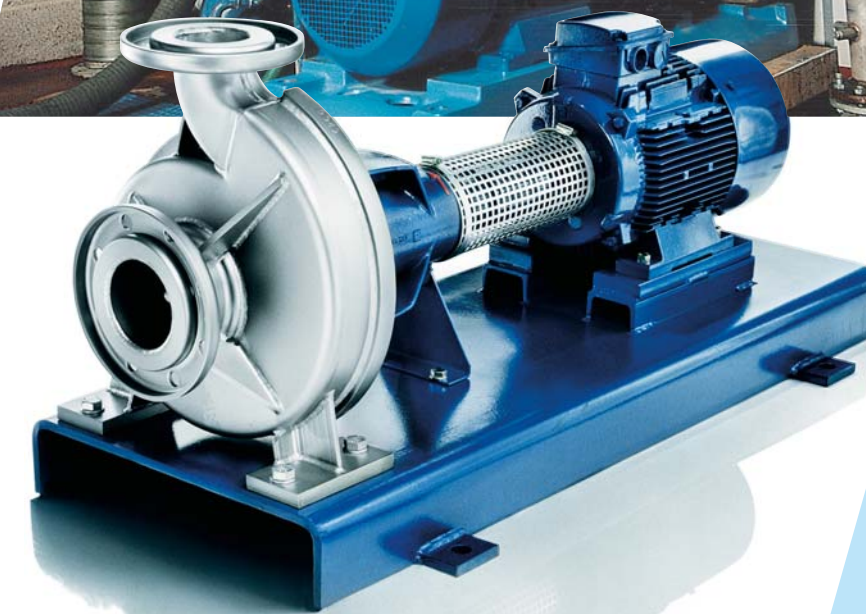
Offering products and services to all industries

The ERIKS infrastructure offers everything from new pumps, spare parts, and design and installation, all the way through to maintenance and repair services. With technical and commercial alliances with market leaders in the pump industry, covering all pumping disciplines, we are continually investing in people with the highest levels of industry and application knowledge.

Know-how far beyond the pump

Our in-house expertise goes far beyond the pump, extending across the full spectrum of related disciplines, from sealing technology through to drives, and all product groups are fully supported by engineers in their own right. Whether you're looking for repair, maintenance or replacement, you'll find there's no company better positioned than ERIKS to meet your requirements.

Exceptional knowledge and a range of in-house expertise



Whether it is an overhaul required or a complete system re-think, ERIKS will partner you across the full spectrum of pumping processes to provide the correct engineering solution.



- **Rotodynamic pumps** (centrifugal, mixed flow and axial flow)
- **Positive displacement pumps** (rotary and reciprocating)
- **Vacuum pumps and blowers** (rotary)
- **Pump services** (maintenance, repair and overhaul)

GRUNDFOS

LOWARA

SPP
PUMPS

KSB

Tuthill

topflo

Mono

BUSCH

Elmo
Rietschle
A Gardner Denver Product

IR Ingersoll Rand
Inspiring Progress

System design and new products

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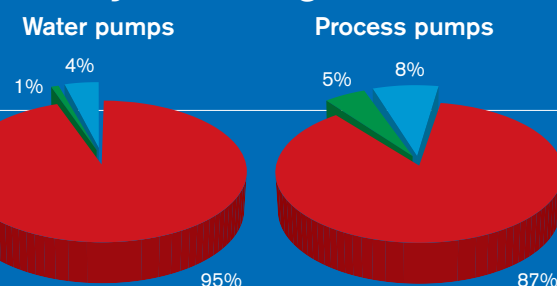
From component parts to complete systems

ERIKS offers one of the most comprehensive ranges of pump products and services available from any single source, providing pump solutions to the industry through a network that extends across the UK. Our system know-how, together with our repair or replace philosophy, means that we can offer total impartiality and deliver a truly cost-effective solution for you.



ERIKS is a member of the Pump Centre and plays an active part in creating and using best practice along with awareness of life cycle costs and energy conservation to get you the best overall cost of ownership.

Life cycle running costs



■ Running Cost
■ Maintenance Cost
■ Capital Cost

Project capability and system offering

Working with partner suppliers, ERIKS have pioneered many new ideas and techniques of fluid transfer.

Our in-house design and fabrication capability allows us the flexibility to deliver bespoke systems that provide cost-effective solutions for your pumping needs. Combined with our power and drives expertise, you can be assured of the most efficient control regime that can provide tangible operating cost-savings.

From product supply to aftercare

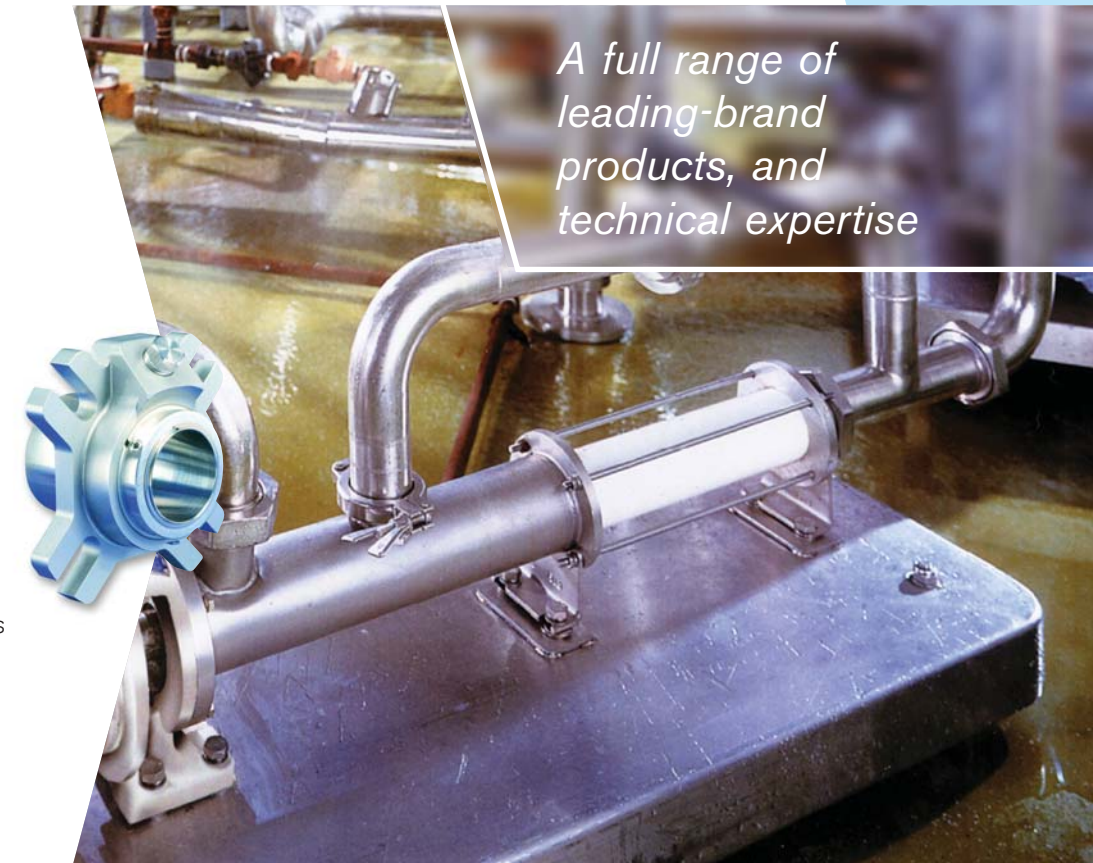
Partnerships with leading manufacturers are assured. Our strengths also encompass technical expertise in the supply, installation and repair of electrical and mechanical systems, as well as offering expertise in all components and equipment related to pumps.



Total service

ERIKS is dedicated to providing a service response tailored to your needs. We can offer:

- New pumps and spare parts
- Overhaul, uprating and repair
- Condition based monitoring and site services
- Site maintenance and shutdowns
- Turnkey projects
- Fault diagnostics
- Inventory management and rationalisation
- 24 hours a day, 365 days a year
- Energy audits



A full range of leading-brand products, and technical expertise

What sets ERIKS pumps technology apart?

With an in-house mechanical seal division, as well as manufacturing, refurbishment, and stocking, we also have the capability to repair motors and drives from 2.5mW down to electronics at component level. With product specialists in sealing technology, gearboxes, couplings, motors, inverters, condition monitoring, fluid power, and motion control, we're ideally positioned to handle any requirement.

- Power supply
- Starter panels and control gear
- Inverters and automated control
- Electric motors
- Gearboxes
- Couplings and Drives
- Sealing systems
- Gaskets and packings
- Valves
- Flexible hose and pipework
- Flow control technology



A philosophy of repair or replace

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At ERIKS, we offer both repair and replacement options, it's your choice

Because we're impartial, we're not tied to one product and we don't have a repair-only focus. We understand the cost of plant ownership, and can help reduce it through our know-how coupled with 80 distribution sites and 30 workshops located across the UK.



Comprehensive pump reports are available with digital images, test results, lead time on repair or replacement. Repairs are covered by warranties over workmanship and materials

Pump repairs

Understanding and delivering a comprehensive pump repair service requires an in-depth knowledge both of pumps and systems. While returning a pump back to the manufacturer's specification is important, it may not be appropriate: ERIKS specialists will use failure-mode analysis to tell you precisely what is the solution. This helps you make the right decisions for improved plant reliability and financial control.

Condition monitoring

Problems occur for many reasons; lubrication, foreign bodies, plant failures, long-term usage and accidental misuse.

Condition monitoring as part of your asset management, or as an individual service, can help solve your problems. Vibration analysis, thermographic surveys, lubrication analysis and our technical experts are all available to ensure the ultimate performance of your plant.



Spare parts

Our policy is to fit OEM spares where possible. If through obsolescence or other practical issues this is not possible, we can reverse engineer parts or seek alternative options.

Our facilities allow us to offer the following reverse engineering solutions:

- Turned/Machined parts
- Cast parts, using 3D CMM scanning machines
- Hardness testing
- Material analysis
- Upgrade material selection to engineer out specific issues
- Refurbishment of components
- HVOLF/Thermo sprayed coatings
- Surface engineering, weld overlays/HCP



ERIKS use the latest 3D CAD technology to provide the right solution in the shortest possible time.

Root cause analysis

Using the latest FEA design and analysis tools, ERIKS are able to significantly improve both the standard of engineering designs and the methodology of the design process in many industrial applications.

The introduction of FEA has substantially decreased the time to take products and systems from concept to production and is primarily used to accelerate prototyping and problem solving.

The benefits of FEA include increased accuracy, enhanced design and better insight into critical design parameters, virtual prototyping, fewer hardware prototypes, a faster and less expensive design cycle, increased productivity, increased revenue and less down time.

Rotodynamic Pumps

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From light industrial to heavy process

With the range of pumps you can choose being so broad, selecting the right pump can be fraught with danger. ERIKS engineers are always on hand to support you in the selection of the right pump for your application at the same time as identifying both capital and running cost savings

Quality and service

Our market positioning sits firmly with quality and service. We will always endeavour to provide reliable and efficient pumping solutions that we can support long after the initial sale.

Supplying the best pump

Although ERIKS are authorised distributors for several pump ranges, we will always endeavour to supply the best pump for the job, irrespective of manufacturer. We can also supply what you, the customer asks for. This should give you the peace of mind that we have your best interests at heart.



Configuring your system

ERIKS provides an extensive range of rotodynamic pumps from fabricated stainless steel suitable for HVAC duties, through to heavy process designs, built from exotic materials.

Configurations to consider include:

- Electro-submersible
- End suction, single and multi-stage
- Double suction, axially split case
- Close and long coupled drives
- Horizontal and vertical installations

Design and specification

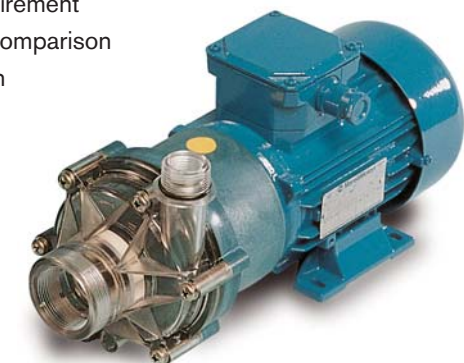
In some cases where obsolete pumps are being replaced, it will be necessary to carry out pipe work modifications. ERIKS can work with you to design, install, and above all optimise your pump system to maximise capacity and reduce running costs.

ERIKS will also guide you through the process of selection

- Material specification
- Seal selection
- Power requirement
- Efficiency comparison
- Certification



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ERIKS can help select your ideal solution

Positive displacement and vacuum

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ERIKS work with you to provide the best solution

ERIKS can help you apply best practice for the best overall life cost, but that's not all, our engineers have experience across a broad range of industries enabling them to offer new or different solutions for your applications.



Positive displacement pumps

ERIKS Pump Technology covers a comprehensive range of pumps for viscous, corrosive, shear sensitive and abrasive applications, encompassing:

- Progressing cavity
- Diaphragm
- Peristaltic
- Rotary lobe
- External gear
- Internal gear
- Piston
- Rotary vane
- Rotary screw



Vacuum pumps and blowers

A full range of the latest technological innovations is available from ERIKS. Oil and particle-free vacuum solutions are now available with the latest claw and screw technology, for example, non-contacting rotating assemblies have greatly reduced maintenance demands, with significant improvements on efficiency.



ERIKS can advise on the optimum pump technology

Range and capability

Pump type	Flow	Pressure
Rotary Vane Vacuum pumps	3-1600m³/h (50Hz)	0.1-20mbar
Dry Screw Vacuum pumps	70-800m³/h (50Hz)	0.05mbar
Dry Rotary Claw Vacuum pumps	50-500m³/h (50Hz)	20mbar-2bar(g)
Rotary Lobe pumps	6-10000m³/h (50Hz)	80-1000mbar over pressure
Side Channel Blowers	40-1100m³/h (50Hz)	390mbar
Liquid-ring Vacuum pumps	30-435m³/h (50Hz)	33mbar
Scroll Vacuum pumps	5-30m³/h (50hz)	0.01-0.075mbar

APPLICATIONS

RADIAL BLOWERS Conveying, drying, aeration (low pressure only), radial vacuum: print / reprographics, sampling

SIDE CHANNEL, ROTARY VANE, LOBE AND CLAW (PRESSURE) Wastewater treatment, reprographics, print, paper handling, conveying, aeration, general machine industry

SIDE CHANNEL, ROTARY VANE, LOBE AND CLAW (VACUUM) Print, paper handling, vacuum packaging, textile manufacturing, gas sampling, medical and laboratory sampling, industrial ovens

SCREW Vacuum (no pressure models), chemical and process industries



All manufacturers have their specialities, often providing a common solution, claiming superior benefits of their technology. ERIKS' experience and impartiality will be shared with you in partnership to provide the answers

Helping the environment

Lower energy consumption means lower costs. That's why, in recent years, we've brought all our experience and expert knowledge to bear on the problem of how to deliver energy-efficient solutions. And the results – if we say so ourselves – have been spectacular. Today we boast a long list of customers – ranging from Toyota to Dairy Crest – who have seen large and measurable savings as a result of our energy-saving expertise.

ATEX compliance

At ERIKS we also offer a full range of ATEX-compliant solutions. We are certified for ATEX Zones 1 and 2 (gas) and Zones 21 and 22 (dust), allowing us to provide off-the-shelf pumping solutions to customers in a wide range of industries which operate in hazardous environments. We can also help you source pumps for process systems which must meet EU ATEX requirements and the CE Marking Directive without needing entire assemblies to pass new certification.



**Energy saving
through experience
and expertise**

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