

KNOWLEDGE IN MOTION

01//EXPERTISE 02//DESIGN 03//COMPONENTS 04//PRODUCTS 05//SOLUTIONS >>

	Scientific & Research
	Aerospace & Defence
	Medical & Pharmaceutical
	Energy & Nuclear
	Process & Packaging
	Other Applications

Designer and Manufacturer of Specialist Motion Components & Systems



YOUR MOTION TECHNOLOGY PARTNER

At LG Motion we help you to reduce development times, automate production, ensure quality and manage costs. Our highly experienced UK based team enables science institutes and machine manufacturers to stay ahead.



“ THANKS FOR A
GREAT JOB; IF ALL
OUR SUPPLIERS
GAVE THE SAME
LEVEL OF SERVICE
LIFE WOULD BE
A LOT EASIER!

AWE

HOW WE HELP YOU

PRODUCT AND SERVICE SOLUTIONS

Our clients need motion control systems for exacting end uses: we provide the requisite components, backed-up with expert system design and support services.

- ⌚ If you already know the components you need to integrate into your systems, we can supply these from the leading motion control technology providers.
- ⌚ If you need professional guidance to meet your specific motion control requirements, we offer an end-to-end solution encompassing system design, component supply and integration.

DIVERSITY AND EXPERIENCE

You'll find LG Motion's depth of professional knowledge and experience impressive. For instance, your motion control requirements might involve specific environmental considerations. We're familiar with these issues, and know how to address the potential hardware, software and system implications.

Every member of our team, from the most experienced individuals through to our apprentices, relishes the opportunity to learn from new challenges. This culture drives our ongoing commitment to build on and share professional knowledge.

You'll also find our team focused on your business goals. We want to help you maximise the benefits of motion control technology, including faster development times, higher quality automated production, and lower costs.

SKILLED WORKMANSHIP

Even in an industry climate of budgetary constraints, our products are renowned for their high quality. They are all hand finished, and designed to resolve your specific motion control challenges.

We encourage you to visit our factory to see your order in production. Our processes and standards will leave you in no doubt that you are working with the right manufacturing partner.

CONTINUED INVESTMENT

We're committed to long term as well as short term success. LG Motion invests continually – not only in our production facilities, but also in the education of the young engineers and apprentices who are the future of our business.

We recognise the pressures that can drive manufacturing overseas to cheaper sources. However, we firmly believe that in a world where reputation is everything, quality and reliability speak for themselves.

RELIABILITY AND LONGEVITY

Many of our team at LG Motion have been working together for over 30 years. Dedicated to quality, we still maintain clients' motion control systems that we were involved with over 25 years ago.

BRINGING YOU...



01//EXPERTISE

We plan, design and deliver superb motion control technology solutions, on-time and on-budget.



02//DESIGN

System engineering for optimal performance – whatever the application.



03//COMPONENTS

A wide range of mechanical, control, drive and human machine interface components available.



04//PRODUCTS

Designed to optimise end-user systems, we have developed our own range of high quality motion control products.



05//SOLUTIONS

Our innovative, proven motion control technology solutions work hard for industry

“ AS WITH ALL
YOUR WORK,
A BEAUTIFUL
PIECE OF KIT!

GUY HILTON
RESEARCH CENTRE

EXPERTISE:

Our LG Motion team has continually grown and developed, building a valuable resource of knowledge and experience. This makes us uniquely well placed to deliver highly specific, incredibly effective motion technology solutions. We target and apply our expertise to your challenges, reducing your development times and costs, while optimising quality.

DESIGN:

Our highly experienced design team draws upon a wide range of leading technology options from LG Motion's global partner network. We combine these technologies with our systems expertise, creating bespoke solutions that meet your precise needs.

COMPONENTS:

LG Motion's high quality solutions are underpinned by long established relationships with renowned global partners. We supply electro-mechanical, control, drive and interface components as a standalone service, or integrated into custom solutions. Our key partners include Arcus Technology, Airex, Precision Motion Dynamics, Velmex, Heidenhain, Schneeberger and Empire Magnetics.

PRODUCTS:

We manufacture 'ready-to-go' motion control products created using a combination of top quality components. These products can form part of a wider solution that we implement for you, or you can integrate them in-house. Our range of LG Motion linear and rotary stages can be combined with servo and stepper drives and motion controls from our global partners.

CUSTOM SOLUTIONS

In our experience, effective motion control solutions need to be bespoke built for each specific application. We use our deep understanding of the application of motion control technology, to deliver exceptional performance benefits. Our track record of innovative and effective solutions across the science and industry sectors speaks for itself.



In simple terms, we make things
that go in and out, up and down,
round and round.

WORKING WITH YOU

SCIENCE & RESEARCH

Our quality products and custom solutions are making a difference in a broad range of industrial and scientific research applications. For example, we have designed and built: synchrotron beamline detector positioning rigs; laser scanning gantries; micropositioners for diamond industry cutting tool analysis; and complete single and multi-axis motion systems for a wealth of university research projects.

AEROSPACE & DEFENCE

We work extensively with the aerospace and defence industries. Applications of our motion control technology include critical aerospace solutions used in today's most successful passenger jets, and test sensor positioners for space transportation and satellite systems. This includes test and calibration equipment for leading aeronautical research linked to civil, defence, air, sea and land transport.

MEDICAL & PHARMACEUTICAL

LG Motion has helped numerous clients to capitalise on the potential of exciting life science and medical device technologies. We have designed and built motion systems for ultrasonic scanners, automated bio-analysis equipment, DNA and gene research, and much more.

University research is another field of expertise: we've helped partners take products through the technology transfer process, to commercial markets. Our company C.V. also includes providing design optimisation beyond the motion sub system, and assisting with other mechanical hardware components.

ENERGY & NUCLEAR

If you are seeking a motion control technology partner for energy and nuclear R&D applications, you need look no further. At LG Motion we're also adept at industrial testing, including remote handling systems, fuel-rod inspection, nuclear NDT testing, solar panel research, water management and synchrotron facility installations.

PROCESS & PACKAGING

Automated manufacturing processes can be a barrier to raising production. Our products and motion control systems can be integrated to increase your manufacturing precision and productivity. We've shown our effectiveness at improving processes such as high-speed medicine dispensing, in-line fibre optics testing, laser marking of aerospace components, folding boxes and sealing bottles.

Whatever the challenge, LG Motion will help you raise quality standards, reduce costs and time to market, and increase competitiveness.

OTHER INDUSTRIAL MANUFACTURE AND TEST APPLICATIONS

At LG Motion we've built a wealth of motion control knowledge and insight, and proven products and capabilities, based on decades of sector experience. From plasma bonding and film industry camera positioning through to fine art scanning, liquid dispensing for street lamp gaskets, and hydrogen fuel cell measurement systems, we successfully harness motion control to optimise commercial applications.

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FOR SCIENCE & INDUSTRY

OUR CLIENT LIST INCLUDES:

- ⌚ Aardman Animations
- ⌚ Airbus
- ⌚ BAE Systems
- ⌚ European Space Agency
- ⌚ Honeywell
- ⌚ Cancer Research
- ⌚ Mercedes-Benz
- ⌚ Motorola
- ⌚ Qinetiq
- ⌚ Qioptiq
- ⌚ Rolls Royce
- ⌚ Thales



COME AND MEET THE
TEAM, THE KETTLE'S
ALWAYS ON.





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UK MOTION
TECHNOLOGY
SPECIALISTS

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