

OLCM SYSTEMS

Solutions in Load Cell Technology

Our Vision

To be globally recognised as the first choice supplier of quality load monitoring products by providing an efficient, seamless and stress free purchasing experience.



Providing tangible benefits through engineering expertise and integrity



About LCM Systems Ltd

LCM Systems Ltd specialises in load measurement solutions that are utilised in many different industries worldwide. Established in 1984 to provide the yachting industry with precision load cells and readout systems, the company has grown rapidly, and now provides engineering and design expertise to market sectors including oil & gas, civil engineering, marine & offshore, aerospace, heavy lifting and process engineering.

We manufacture a comprehensive range of standard load cells and instrumentation, but a significant proportion of our business comes from the supply of bespoke products that are tailored to meet specific customer requirements. We can also manufacture load cells suitable for Zone 1 and 2 hazardous area applications, and pride ourselves on being able to provide innovative solutions to complex and challenging load measurement problems.

All products and systems are designed and built at our head office and factory located at purpose built facilities in Newport, Isle of Wight, UK. We do not support a high overhead structure, so we are able offer our customers quality products at very competitive prices.

We are an independantly owned business, so have no group to report

to, and as a result are in full control over how the business develops. This enables us to respond rapidly to commercial demands and re-invest our profits to further strengthen and enhance the business. Between 2008 and 2014, more than £1 million was invested in our facilities to improve areas like calibration and production, including the purchase of new manufacturing premises. Some of the key facilities available at LCM Systems that set us apart from our competition includes:

Engineering

We have developed our own internal systems for load cell design and drawing registration, and all drawings are produced with a 3D modelling package. We can accept drawings from customers in most of the popular and industry standard drawing formats. We also use finite element analysis (FEA) software to prove and validate some of our more complex designs, or where customers have specific commercial requirements for this to be performed.

Production

We operate a full MRP system to load and maintain production demand and scheduling. All our production staff are fully trained and highly experienced in strain gauge application and sensor manufacture. As a company we specialise in down-hole strain gauging

techniques and have honed these skills over the past 30 years, making us one of the most experienced manufacturers using this method in the market. We also operate our own in-house machining facilities, providing us with machining expertise specifically in load cell manufacture. It also allows us to be self sufficient on many of our orders, providing flexibility not offered by many of our competitors.

Additionally, we have spent many years developing specialised techniques to ensure consistent high quality is achieved in the most efficient manner, helping to improve production standards and reduce costs.

Calibration

LCM Systems have a wide range of calibration and test facilities in-house. Several purpose built test machines allow calibration in tension to 150te and in compression to 1500te. All test machines are calibrated annually by an independent UKAS certified calibration company at our premises, in accordance with BS EN ISO7500-1:2004 and certified accordingly. All other equipment is also annually calibrated by UKAS certified calibration companies to their relevant standards. On the rare occasions it cannot be undertaken in-house, we do have access to wider calibration facilities.

We also regularly have third party witnessing of customer products being tested and calibrated by ABS, Lloyds, DNV etc.

Quality

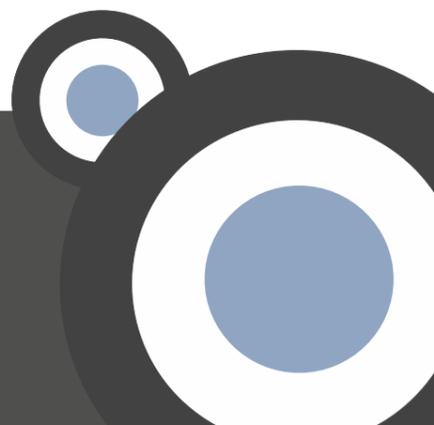
Although LCM Systems are not currently ISO9001 accredited, we do operate an extensively documented QMS system that is independently certified and audited. The quality of our products is second to none and offers superb reliability. This, combined with the excellent traceability we offer, has made us the number one choice of many customers who come back to us year after year.

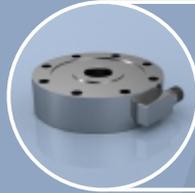


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www.lcmsystems.com





Load Cells

With a load cell range that starts with capacities from 25g to over 1000 tonnes, we have the expertise to provide you with the right load cell solution for your specific requirements, including the most hostile of environments.



Load Pins

We offer a standard range of load pins, covering ratings between 500kgs and 1500 tonnes, however, the nature of this type of product means that most load pins are manufactured to meet each customers specific dimensional requirements.



Load Shackles

The LCM range of load shackles have been designed for lifting and weighing in rugged or harsh environments. The load shackle pins are manufactured from high tensile carbon steel, and come in capacities from 1 to 1000 tonnes.



Load Links

Manufactured from high tensile aluminium or stainless steel, our load links are simple to install, and matched to standard shackle sizes. They come in ratings from 1 to 500 tonnes and are environmentally sealed to IP65, IP66 or IP67 as required.



Pressure Sensors

Our pressure sensors provide an excellent price/performance ratio and combine the outstanding performance of bonded foil strain gauge technology with a single piece stainless steel diaphragm construction.



Displacement Transducers

LCM offer displacement transducer measurement products covering a wide range of strokes (from 25mm to 200mm). They are used in many applications, including research laboratories, winding machines, civil engineering and motor sport.



Instrumentation

We supply a wide range of load cell instrumentation products, including digital indicators, hand held indicators, amplifiers and conditioners. This means that for every application, we can provide you with a complete load measurement package.

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