

ENGINEERING INTEGRITY

Instrumentation, Analysis & Testing

Exhibition - 17 May 2022



Exhibitors

A&D Europe GmbH UK Branch

41

A&D is a global supplier of powertrain and vehicle development solutions. We have over 30 years' experience in supplying measurement, control, and simulation equipment for the development of vehicles to the automotive industry. Our flexible approach helps customers to meet the current and future engineering challenges.

Acoustic Camera UK Ltd

26

As UK distributor for the world-leading acoustic cameras from CAE Software and Systems GmbH, we sell and hire the complete SOUND CAM range, as well as offering consulting. Our SOUND CAMS are battery powered and waterproof, with simple touch-screen interfaces, and cover frequencies from 40Hz to 100kHz, i.e. audible up to Ultrasonic.

AcSoft Ltd

43

At AcSoft we are committed to offering the very best sound, vibration, and air quality measurement systems. We have a wealth of experience and can provide bespoke solutions to a wide variety of problems, whether it is providing sensors and instrumentation or software. We work closely with each client to ensure we meet their needs as effectively as possible.

Applied Measurements Ltd

37

Applied Measurements, transducer specialists, supply and manufacture standard and custom load cells, pressure sensors, torque, displacement transducers and instrumentation to all industries from aerospace, geotechnical, medical, materials testing and subsea. Our in-house UK pressure department offers UK-manufactured pressure sensors - OEM, small/medium and high volume, with UK stock available. Plus, buy our precision sensors online from our UK-based webshop at appmeas.co.uk/shop.

Axiometrix Solutions

48

Axiometrix Solutions is a leading provider in test and measurement. Our global customer base can be found in most technology-intensive industries including electronics, aerospace, and automotive. Axiometrix Solutions consists of a strong group of well-established brands. Our three main product lines are industry-leading brands in their respective segments: Audio Precision, GRAS Sound & Vibration, and imc Test & Measurement.

CATS³

15

CATS³ is a specialist in design, development and supply of Digital Controllers and Software. The Cube provides a powerful solution to your servo-hydraulic testing needs. Scalable from single to multi-axis testing it is perfect for a wide range of test machines and rigs. Ideal for new systems or modernisations of existing test rigs. Proud to be associated with ZwickRoell.

Centrateq

27

Visit our stand for more information.



Concorde Publishing 20

Founded in 2010, and present at EIS Silverstone since 2011, Concorde Publishing Ltd provides high quality information to our professional and subscriber audience of test, measurement, design & development engineers. Our current range of journals includes Testing & Test Houses, DAQ Sensors & Instrumentation and Test House Directory as well as the websites TestHouseDirectory.com and EnvironmentalEngineering.org.uk

Correlated Solutions/Enabling Process Technologies 42

Enabling Process Technologies represents Correlated Solutions who are the leaders of Digital Image Correlation (DIC) measurement systems for non-contact, full-field analysis of 3D shape, motion, deformation and strain. Any object can be analysed under any loading condition. Our turn-key systems allow you to start acquiring valuable data immediately with data exported in numerous ways for easy interpretation and FEA validation.

Cranfield University 5

Cranfield is a post-graduate only university based between Bedford and Milton Keynes. It's Europe's only uni with its own airport, airline and fleet of aircraft, so naturally aerospace R&D features heavily but automotive and energy system R&D are strengths also. Cranfield is very applied with active industrial partners including Boeing, Thales, Airbus as well as close working relationships with Nissan (whose European technical centre is located adjacent to the campus), JLR and others.

Data Acquisition & Testing Services 21

Data Acquisition & Testing Services provides, test, measurement, instrumentation, analysis and engineering consultancy services. Test engineers are available nationally and outside the UK. Sales and service of the latest digital data collection equipment, with a full calibration facility for instruments and sensors, hire of dataloggers, sensors and cables is also offered. Vibration, and durability testing is available within our laboratory.

Data Physics UK Ltd 18

Data Physics supplies high performance products and solutions in vibration test and signal analysis to the noise and vibration community supplying and supporting a full range of Dynamic Signal Analysers, Electrodynamic vibration systems, closed-loop Vibration Controllers and High Intensity Acoustic Noise test systems.

Datron Technology Ltd 3&4

Datron Technology established their reputation in the motorsport industry over 30 years ago supplying non-contact sensors for speed, slip angle, temperature, ride height etc. We supply reference-level accuracy equipment for ADAS and Autonomous applications, including 1cm Inertial Navigation Systems, Euro NCAP crash targets, LiDAR, datalogging and more. Other applications include Vehicle Dynamics, EV & Hybrid vehicle testing, Motorsport, Rail and Survey.

Delta Motion Ltd 32

Delta Motion Ltd is a manufacturer of industrial automation products with a focus on high-performance hydraulic motion control. Delta's RMC Motion Controllers deliver high-performance, closed-loop control, boosting productivity in a wide range of applications across the globe. For nearly 40 years, Delta has been known for best-in-class products, continuous improvement, and responsive, knowledgeable support for both legacy and new products.

Dewesoft UK Ltd 1&2

Dewesoft offers a wide range of measurement solutions covering measurement applications across all industries. DEWEsoft provides flexible, modular and rugged Data Acquisition systems combined with a versatile turn key software package for Data Recording and Analysis serving applications such as Road Load Data recording, ADAS Testing, E-Mobility, Combustion Analysis, NVH, Power Analysis, Flight Test, Frequency Analysis and many more.

Evolution Measurement 59

Evolution Measurement are experts in industries that require highly accurate physical measurement, instrumentation and calibration. Based in Andover, they represent Scanivalve Corporation, Guildline Instruments, Vectoflow and streamwise providing bespoke and turnkey solutions in multi-point pressure and temperature measurement, as well as engineering automated calibration and test systems. As manufacturers, they produce the highly successful range of miniature pressure scanners, EvoScan®.

Fischer Connectors 50

Highly reliable, accurate connectivity solutions are essential when inspecting, measuring and testing critical components and assets to deliver conclusive results whether detecting flaws, measuring material thickness or inspecting stress corrosion cracking. Our high-precision connectors, cable assemblies and electronic solutions ensure long-term accuracy in all conditions with guaranteed signal integrity for the continuous and seamless high-performance transfer of your measurement data.

GI Systems Ltd 54

GI Systems Ltd is once again pleased to be presenting the latest products and solutions from our partner companies Gantner Instruments and Manner Sensortelemetrie, these companies offering Best in Class' products and measurement technologies for testing, data acquisition and rotating part measurement telemetry for torque, stress, speed, temperature.

GOM UK 60

GOM, a company of the ZEISS Group, specializes in industrial 3D coordinate measuring technology, 3D computed tomography and 3D testing. From product development to production and worldwide distribution, GOM offers machines and systems for manual and automated 3D digitizing, evaluation software, training and professional support from a single source. In industries such as automotive, aerospace, energy and consumer goods, more than 17,000 GOM system installations are in use internationally.

HEAD acoustics UK Ltd 38

HEAD acoustics has developed hardware and software solutions for measuring and analysing sound events on the basis of aurally-accurate recording and playback systems, which have become today's industry standard. In addition, HEAD acoustics researched and developed numerous internationally-approved measurement tools in other fields of noise and vibration and telecommunication technology.

Hottinger Brüel & Kjær 10&11

Market leaders, HBM and Brüel & Kjær joined forces to become Hottinger Brüel & Kjær (HBK) - the world's foremost provider of integrated test, measurement, control and simulation solutions. HBK provides a complete portfolio of solutions across the test and measurement product life cycle, that unite the physical world of sensors, testing and measurement with the digital world of simulation, modelling software and analysis.



INNOVATEST 22

INNOVATEST manual or automatic hardness testing machines, often referred to as; hardness testers, can be used to test a wide range of samples and applications. We offer machines for Vickers, Rockwell, Brinell and Knoop test methods according to ISO and ASTM standards. Our Universal machines cover a wide range of test methods and scales to suit the users' requirements.

Institute of Measurement & Control 39

Founded in 1944 and recognised by Royal Charter, the Institute of Measurement and Control is an international network of professional engineers and scientists working within the measurement, automation and control fields. We aim to promote high standards of professional competence, to inform and support our members in their careers, to provide a bridge between academic research and industrial practice and to inform government policy.

Interface Force Measurements Ltd 9

Interface Force specialise in supplying complete Force, Multi Axis, Torque and Pressure measurement solutions. Products include Single and multi-axis load cells and torque sensors; Six axis force plates and transducers; pressure sensors and Pressure mapping systems. We also supply complete range of amplifiers, indicators, data loggers and electronics, giving you the complete measurement solution.

IPETRONIK GmbH 16

IPETRONIK GmbH is a globally operating company specialising in Mobile Measurement Technologies, DAQ Software, Engineering Services and Test Benches for the automotive industry. Strategically connected via five business divisions IPEmeasure, IPEmotion, IPEngineering, IPEtec and IPEservices, IPETRONIK combines technical expertise to provide modular measurement solutions for vehicle development applications: Fleet Data Logging, Thermal Management, HV, RLDA, Endurance, NVH & durability testing.

Kemo Ltd 34

Kemo Limited has been a global leader in the manufacture of signal conditioning and electronic filters solutions since 1965. Over the years the product range has expanded to cover other related products within the low noise and quality signal transmission arena including low noise cable solutions and high quality RF connectors. Based in Dartford, Kent, UK they are now expanding into the USA and India.

Kistler Instruments 55&56

Kistler Instruments Ltd is a global leader in dynamic measurement technology. We offer a range products and services for automotive development. At the 2022 EIS exhibition we will be demonstrating our Measuring Steering Wheel and S-Motion Correvit® optical sensor, part of our vehicle dynamics product range. We will also feature KiBox 2, our new combustion and power analyser.

Lake Image Systems 40

Lake Image Systems has been working with high speed cameras since it was established in 1994 supplying the AOS, Fastec and IX range of high speed cameras along with ProAnalyst Software. These allow us to provide camera solutions for all applications from the most demanding needing upto 2.4m fps to small camera heads that stream high speed footage. Come and see us to discuss any requirements.

M&P International 7

Whether it's environmental simulation shaker testing, dynamic measurements, vibration and sound investigations on site or in the lab and testing of elastomer mounts in vehicles. We support you with products and services that meet your highest standards of quality and reliability. Our customers are global players e.g. from the aerospace, automotive and electronics industries as well as independent test houses.

Meggitt SA 52

Enabling the extraordinary, is our vision: innovation is at the heart of everything we do at Meggitt. We consistently deliver solutions for the most challenging environments where teamwork and collaboration matters: 160 years of expertise and innovation inspires everything we do. Customers worldwide rely on our advanced technologies, products and services for aerospace, defense and selected energy applications.

Metalitest 31

Metalitest: Your complete testing solutions provider. From sample preparation and materials testing to image analysis and materials characterisation, we supply equipment (Hardware/ Software) to assist you. We offer application specific consultation to develop optimal solutions, which exceed expectations. Our team have over 100 years combined industry experience as well as the skills and knowledge to transform your mechanical testing facilities.

Micro-Epsilon UK Ltd 17

We provide sensors, systems and solutions for measurement of distance, displacement, thickness, temperature and colour. Whether its R&D, process condition monitoring or OEM supply we offer 1D, 2D and 3D measurement technology across a wide range of industries. Come talk to us about your measurement task.

Motorsport Industry Association 64

The Motorsport Industry Association (MIA) is the world's leading trade association for the motorsport, high performance engineering, services and tuning sectors. As an industry that is constantly having to deal with rapid development, the MIA's role is to globally represent and support the specialised needs of its members. An ever-expanding international network of business contacts, with 250 global members whose companies transact more than £5billion of motorsport business worldwide.

Moog 57

Moog delivers test professionals increased flexibility, reliability and precision-proven products and solutions worldwide, enabling you to bring your ideas to the next level of excellence. Talk to Moog about reliable and value-added automotive, aerospace and structural testing.

ODOSolutions AB 24&25

ODOS is a pioneer and market leader in cloud-based data logging. Our award winning software: CloudSoft is a remote data monitoring, visualisation and analysis dashboard, coupled with cloud platform for secure data sharing and storage.



**PCB Piezotronics****23**

PCB Piezotronics, Inc. is a designer, manufacturer, and global supplier of accelerometers, microphones, force, torque, load, strain, and pressure sensors, as well as the pioneer of ICP® technology. This instrumentation is used by design engineers and predictive maintenance professionals worldwide for test, measurement, monitoring, and control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, OEM applications, and more.

Peli Products (UK) Ltd**44**

Peli Products (UK) Ltd offer the Peli™ brand of watertight, crushproof equipment protection cases. A panel frame mounting system is available to install interface electronic panels within the case. Peli Products (UK) Ltd offer engineered foam solutions, these bespoke foam inserts optimise space and are ideal for sensitive, fragile equipment such as electronics, instrumentation and tool control.

Photo-Sonics International Ltd**47**

Photo-Sonics are a leading supplier of rugged data acquisition, airborne cameras, high performance LED lighting, rugged Ethernet switches, digital image correlation, motion analysis, precision time and telemetry systems. With over 40 years' experience partnering both aerospace and automotive customers, Photo-Sonics can provide a wide range of solutions to suit the most demanding measurement requirements.

Photron Europe Ltd**53**

Photron is a trusted supplier of high-speed cameras to leading research and industrial groups around the world, delivering quality, reliability and high-performance for the most challenging imaging applications. Please visit the Photron stand to discuss your own current or future high-speed imaging needs.

Plastometrex**46**

Plastometrex is a technology company founded by a team of materials scientists from The University of Cambridge. The company's platform testing method (called PIP) extracts metal stress-strain curves from a 3-minute automated indentation test. This technology reduces testing times and costs by over 90% whilst allowing users to test small, complex, or failed parts.

Polytec Ltd**36**

Manufacturing non-contact measurement systems for over 50 years, Polytec's equipment measures Vibration, Acceleration, Displacement, Speed, Length, and Surface features such as flatness, roughness, and step heights. Our equipment range allows for analysis of different size, shape and material from micron-size to large structures. Laser vibrometers, laser velocimeters, and surface metrology.

Prosig Ltd**13**

Specialists in systems for acoustic & vibration measurement, analysis, and testing within the automotive, aerospace, defence, manufacturing, and power industries.

RDP Electronics Ltd**35**

RDP Electronics is a UK company manufacturing and marketing transducers and instrumentation measuring displacement, force, pressure and torque. We make LVDT transducers together with other technologies covering ranges 1mm to 7.6m. For load, pressure and torque we offer strain-gauge technology from Honeywell. Our instrumentation offers analogue and digital outputs. General purpose, harsh-environment and custom designs are all possible from RDP.

Reliability Maintenance Solutions**58**

We offer Asset Reliability, Condition Monitoring and Certified Training. With over 20 years of expertise in vibration consultancy we also offer cutting-edge products related to Condition Monitoring and Reliability. Such as, Motion Amplification, Vibration Analysers, Ultrasound, Thermal Imaging and more.

Sensor Technology Ltd**49**

Sensor Technology manufactures TorqSense torque transducers and LoadSense wireless loadcells. TorqSense transducers offer cost effective, non-contact digital rotary torque measurement; for monitoring, testing or controlling drive mechanisms including OEM applications. Available from 10mNm to 13000Nm. LoadSense 2.4GHz wireless strain gauge tension load sensors transmit to our readouts, or records data in the internal memory. Available from 1 to 50 Tonnes.

Servotest Testing Systems Ltd**6**

Servotest is a UK-based supplier of specialist servohydraulic mechanical simulation and test systems. Using low-friction hydrostatic bearing actuators, optimized for dynamic performance with high side-load tolerance and long service life, Servotest delivers innovative, cost-effective systems tailored to customer's needs. Pulsar controls combine robust distributed architecture with fibre-optic digital communication. EZFlow test-sequencing and customised displays support expert or novice users alike.

Sherborne Sensors**20**

Sherborne Sensors is an established, innovative company with a strong global customer base. We focus on the design and manufacture of precision Accelerometers, Inclometers, and Load Cells. We offer a large range of standard off-the-shelf units, as well as custom sensors. Accredited to ISO 9001: 2015 and AS9100 Rev D.

Siemens Digital Industries Software**12**

In the digital era, it remains crucial to test, validate and optimize real-world designs within the constraints of shorter testing cycles, conflicting performance requirements, growing product complexity and reduced costs. Siemens Digital Industries Software Simcentre testing solutions integrate multiphysics data acquisition hardware with a complete suite of acquisition, analytics and modelling software to cover a wide range of test needs.

Spectral Dynamics (UK) Ltd**63**

Well-known for the quality of vibration control, Spectral Dynamics develops complete solutions for vibration testing: single and multiple axis controllers, acquisition and analysis systems, vibration, shock & drop systems. We recognize that our customers rely on our equipment to take critical data for expensive product development as well as safety testing.



Star Hydraulics Ltd

33

Star Hydraulics Ltd, established in 1983, based in the U.K. design and manufacture high quality Electro-Hydraulic Servo-Valves utilising sapphire technology to eliminate ball glitch and modernised components to reduce contamination failures. In addition to the supply new valves, we have a world class EHSV service & repair facility servicing all makes and models of traditional servo valves.

Strainsense Ltd

28&29

Strainsense focus on providing Sensor and Data Acquisition solutions in various markets not limited to Automotive/ Autosport, Crash, Military, Aerospace and Research and Development. From our extensive portfolio of Sensor technologies, we can provide sensor solutions to measure Pressure, Force, Torque, Position, Vibration, Inclination and Inertial. Each can be provided with signal conditioning, displays, connectors, cable, amplifiers and calibrated to your needs.

Techni Measure

45

Techni Measure supply an extensive range of sensors, transducers, instrumentation and calibration systems for the measurement of strain, vibration, acceleration/g force, displacement, load, force, torque, pressure, temperature and attitude/orientation. We will be showcasing a wide range of products at Silverstone. Our new sister company Quad I can offer sensor installation and measurement services, or integrate sensors into a measurement system.

Torquemeters Ltd

8

Pioneers in the design, manufacture and support of torque measurement systems for high-speed & high-power rotating applications, Torquemeters delivers specialist torque meter, coupling, flywheel, spindle, high-performance driveline & turnkey test rig solutions. Supporting the development of next generation e-motor/e-propulsion systems, Torquemeters is a key partner to the major aero-engine, automotive, industrial machinery, and industrial gas turbine manufacturers with over 2,500 systems installed globally.

VBOX Automotive

30

VBOX Automotive design and manufacture GNSS, Inertial Navigation and Indoor Positioning systems that measure, record, display, analyse and simulate data from moving vehicles. VBOX Systems are used by vehicle and tyre manufacturers around the world for testing and validating a vehicle's performance, handling and safety systems.

Vishay Measurements Group UK Ltd

19

Micro-Measurements®, A Vishay Precision Group, Inc. (VPG) brand, is dedicated to the development, manufacture, and marketing of resistive-foil sensors for high precision strain measurement. Micro-Measurements® offers a full complement of Strain Gauges, Bonding Service, PhotoStress® equipment and coatings, Data Acquisition systems and supplies necessary to obtain accurate, reliable stress data.

Yokogawa Test and Measurement

61&62

Yokogawa are the market leaders in electrical power measurement. Backed by the World's leading ISO17025 Power Calibration Laboratory, we deliver Precision to design engineers on their journey to sustainable technology. At EIS we will showcase Power as well as Data Acquisition and Deep Memory Oscilloscopes designed and built by Engineers for Engineers.

ZwickRoell

14

ZwickRoell manufactures and supports a wide range of materials testing machines, systems, and accessories for use in research, quality control and production. Our extensive portfolio covers almost every segment, from medical to aerospace and automotive. Our products accommodate tension, compression, flexure, friction, peel, torsion, impact, melt flow, hardness, and fatigue testing, making them ideal for the most rigorous testing requirements.