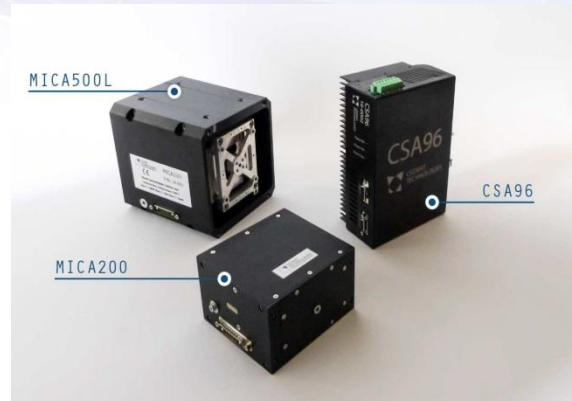


## NEW Moving Iron Controllable Actuator Launched

ORLIN Technologies Ltd, in partnership with innovative designer and manufacturer CEDRAT TECHNOLOGIES, is proud to launch the NEW linear **Moving Iron Controllable Actuator (MICA)** product line to the UK. The MICA range of products has been developed, with associated drive electronics, in response to a need for highly reliable, long-life solutions.



The MICA linear actuators have been specifically developed for extremely long lifetime use, designed for zero maintenance over several years of continuous operation. This level of performance is achieved thanks to fixed coil and magnet designs, without electric flying leads, and an efficient contact-free flexure bearing design. The 1KVA CSA96 power amplifier has been developed alongside the MICA product range. It features a reactive power recovery, achieving more than 90% energy efficiency and it can drive both single and multiple MICA configurations.

The moving iron actuator has been designed as the highest performing in the sector compared to traditional magnetic actuators. Its features include:

- Controllable with precision and accuracy
- Can be run with high force
- Consistently demonstrates greater electrical efficiency
- Easy and direct cooling on dedicated interfaces
- Extremely long life with little or no maintenance

The moving assembly of the MICA range, with no sliding contact or friction losses, is able to achieve close to perpetual movement on the flexure bearings, close to resonance, providing clients with very high power, very low energy consumption and very low heat dissipation.

The MICA design incorporates high thermal cooling, is lubricant-free, with no limited-life ball bearings or plain bushing guiding devices. These features make it compatible with low maintenance devices and give a long-life in a range of environments.

The MICA product range is used for such applications as vibration assistance and precision control, such as active chatter suppression. The range is also suited for internal thermal fluid machines such as pumps, compressors, valves, linear alternators, or as standalone devices for vibration cancellation and energy recovery.

These features set the new MICA actuators apart from the rest of the field, and have been designed thanks to CEDRAT TECHNOLOGIES' considerable experience in flexure bearing designs. This has been honed over years of working with mechanical products, alongside developing long-lifetime components for the aerospace and defence sectors.

**About ORLIN Technologies Ltd:**

ORLIN Technologies Ltd is a UK based supplier of mechatronic and motion control products. ORLIN works closely with suppliers in product development and maintains a close relationship with customers, offering continued support and advice beyond the point of sale. ORLIN is the sole UK supplier of CEDRAT TECHNOLOGIES.

ORLIN Technologies has been trading for more than a decade, and offers experienced engineering knowledge and advice to ensure that customers continue to get the best they can out of their products.

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**About CEDRAT TECHNOLOGIES:**

CEDRAT TECHNOLOGIES SA is a high tech SME, part of ACTIVE STRUCTURE FINANCE, with 40 employees. The firm is based in the French Innovation Valley, close to Grenoble, and is supported by BPI France.

CEDRAT TECHNOLOGIES is specialised in the innovation of smart actuators, smart sensors, mechatronic systems, detection systems and technological training courses. Its compact, dynamic and accurate products for mechatronics systems in challenging environments are recognised and appreciated worldwide by customers operating in varied fields such as aerospace, biomedical sciences, automated manufacturing, optronics and more.

Website: [www.cedrat-technologies.com](http://www.cedrat-technologies.com)