

## **Innovative inductive angle encoders that are simple and robust, yet ultra-precise**

Precision motion control specialist company INMOCO has introduced a new solution for measuring angular position in extreme environments where potentiometers or capacitive devices may prove unreliable.

The non-contact Celera Motion Zettlex IncOder™ can be described as an inductive angle encoder and works like a transformer.

IncOders have two main parts, a powered stator and a passive rotor, each shaped like a flat ring. The stator contains the electronics to receive power and generate an output signal which shows the true absolute angular position of the rotor relative to the stator without the need of any motion.

The IncOders are compact and lightweight, simple to install, and provides fit and forget operation. The rotor and stator are simply screwed to the host product. Precise mechanical mounting is not required and there are no bearings. Unlike capacitive devices, there is no need to earth IncOders.

Capacitive angle encoders can be unreliable in harsh conditions – often due to the presence of condensation or dust – Celera Motion IncOders are completely rugged, being housed in a robust, hard-anodised aluminium alloy case and have no contacting, delicate or wearing parts. For particularly demanding working environments, IP67 rated versions are available.

The large bore in both the rotor and the stator make it easy to accommodate through-shafts, slip-rings, optical-fibres, pipes or cables.

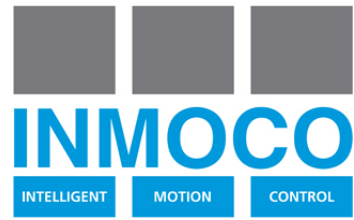
INMOCO engineer Gerard Bush says: "Their robustness, simplicity and precision makes IncOders ideal for a great range of applications, from weapon systems and radar to medical equipment and scanners, CCTV cameras, robots, machine tools, test equipment and packaging stations.

"Celera Motion's Zettlex products are recognised for expertise in using inductive techniques for precision measurement of position. INMOCO is a distributor for Celera Motion and represents in the UK."

## **About INMOCO**

Established in 1987, INMOCO now offers an extensive range of motion control equipment including: compact servo amplifiers, position controllers, stepper motors, PLC controllers, linear motors, sensors, electric actuators and gearheads. INMOCO's product portfolio is supported by extensive applications and technical expertise, in addition to customer-specified electro-mechanical development and sub-assembly services; including calibrating and testing in a class 10,000 clean room facility.

The image(s) distributed with this press release may only be used to accompany this copy, and are subject to copyright. Please contact DMA Europa if you wish to license the image for further use.



## Editor Contact

DMA Europa Ltd. : Elizabeth Patrick

Tel: +44 (0)1562 751436

Fax: +44 (0)1562 748315

Web: [www.dmaeuropa.com](http://www.dmaeuropa.com)

Email: [liz@dmaeuropa.com](mailto:liz@dmaeuropa.com)

## Company Contact

INMOCO : Gerard Bush

Tel: +44 (0)1327 307600

Fax: +44 (0)1327 300319

Web: [www.inmoco.co.uk](http://www.inmoco.co.uk)

Email: [GerardB@inmoco.co.uk](mailto:GerardB@inmoco.co.uk)