

# What's New?

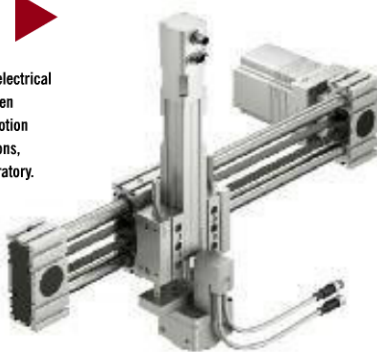
## Cost-effective and simple motion control from Festo

Festo has added three new actuators to its Optimised Motion Series (OMS) of electrical positioning systems. These cost-effective and simple-to-use products have been designed to allow machine builders and system integrators to improve both motion control and their profit margins for solutions such as light assembly applications, baggage inspection systems and handling of liquids and specimen in the laboratory.

The first new product is the guided EPCO-G electric cylinder which provides simple positioning with strokes of up to 400mm. With an integrated guide unit, EPCO-G can withstand high axial and radial loads which means it can be utilised in a wider selection of handling systems.

The second new addition to the OMS product family is the ERMO – an electric rotary drive that meets the same high performance criteria as Festo's previous rotary drives but at a more attractive price.

[www.festo.co.uk](http://www.festo.co.uk)



[www.sensors.co.uk](http://www.sensors.co.uk)

## Wireless load sensors address Solas update

Shipping cargo handling operators worried by the implications of changes to legislation in container weighing will be heartened by news of an innovative, affordable and easy-to-retrofit weighing solution that meets all of the requirements of the International Maritime Organization's (IMO) amended Safety of Life at Sea (Solas) regulations.

Not only can the new technology weigh containers in line with the updated Solas requirements, but it also provides the long term data storage and analysis that operators need in order to ensure that lifting operations are being undertaken within specific parameters. It provides operators with the information they need to enable load limiting, optimise service life and calculate remaining safe working period. Designed and manufactured by Banbury based Sensor Technology, LoadSense can be easily integrated within the crane hook. It allows weighing processes to be fully integrated with handling operations. All live data is captured in real time and can be transferred to a database, stored, totalised and analysed. An on-board single chip computer records, analyses and archives readings, while wireless communication capability can transfer data in real time to a host computer.

# The kit you need

Our look at the month's most interesting product launches



## Carbon fibre linear guide is up to 60% lighter

To meet the growing demand for weight savings, whether in the aerospace, automotive or medical industry, technical plastics expert Iigus has developed its drylin W linear guide system constructed entirely of carbon fibre reinforced plastic (CFRP). Extremely lightweight, the carbon drylin rail features additional advantages over metallic solutions by being stiffer and non-magnetic.

Available for travel lengths of up to 2m, the drylin W linear guide system is up to 60% lighter than a traditional steel rail system, and 40% less compared with aluminium rail. This light weight system enables designers to develop a more cost-effective solution in applications where weight may constitute money, or where high dynamic movements are important, such as robots for manufacturing.

In addition, the carbon drylin rail is available as a completely metal-free belt drive system, which integrates plastic pulleys and xiros plastic ball bearings – all available from Iigus. Being completely free from metal, these linear guide systems can be used without restrictions within X-ray equipment.

[www.igus.co.uk](http://www.igus.co.uk)



## Stop lock keeps position under vibration

The Elessa GN 720 stop lock series keep doors and draws closed under strong vibration conditions by virtue of their robust design and simple indexing at 90° intervals.

Heavy duty construction in stainless steel and zinc die with an epoxy resin coating makes these stop locks suitable for specialist situations such as fire engines, aircraft kitchens, cabins and trollies. Standard finish options are RAL 9005 black and RAL 9006 light grey, both with a matte finish.

The GN 720 stop locks provide a 'click-and-forget' function in a very compact device with arm lengths of 45mm and 65mm available. Static load ratings are 500N for the 45mm arm device and 1000N for the 65mm arm device.

[www.elesa.co.uk](http://www.elesa.co.uk)



## Planetary screw drive offers high load

Schaeffler has extended its range of spindles by introducing a screw drive with a new design and functional principle, which provides a high load carrying capacity and high power density.

The high power density of the PWG means that it can also be used as an alternative to hydraulic drives. In terms of speed, precision and load carrying capacity, Schaeffler can provide a complete range of screw drives for every application. The PWG also paves the way towards 'smart actuators' – electro-mechanical linear actuators that combine the highest possible efficiencies with the smallest possible design envelope.

[www.schaeffler.co.uk](http://www.schaeffler.co.uk)