

## **LG Motion launch new one-source catalogue for medium to high precision manual and motorised positioning**

- **New catalogue includes UniSlide, BiSlide and XSlide™ linear dovetail slide stages plus complementary rotary and vertical elevating stages – for the first time**

**Basingstoke UK, April 2009:** LG Motion Limited, the Basingstoke based motion and positioning systems specialists has launched a new catalogue covering a large part of its range of medium to high precision positioning mechanics. With complete engineering specifications and dimensions for the UniSlide, BiSlide and XSlide™ dovetail-slide linear tables plus complementary rotary and vertical elevating stages, the 40 page catalogue provides detailed information for manual or motorised positioning applications in all areas of manufacturing and research.

For the first time, the new catalogue brings together these modular positioning elements as a complete range of simple yet flexible building blocks for single or multi-axis positioning systems where economic pricing and uncompromised performance are important selection criteria for medium duty and medium to high precision applications.

The versatile UniSlide series, with its leadscrew drive and low-friction dovetail bearing system, has been used extensively over several decades with over one million axes supplied world-wide into thousands of applications across science and industry. The BiSlide series builds upon that success with an innovative extruded “I” beam aluminium profile with dual 45 degree opposing “V” ways offering high rigidity in all load directions. The XSlide series is a more compact version of the BiSlide utilising a similar bearing style for space restricted installation. All these linear stages utilise low friction bonded



PTFE bearing pads on the moving carriage with fully adjustable pre-load for cost effective, long life performance.

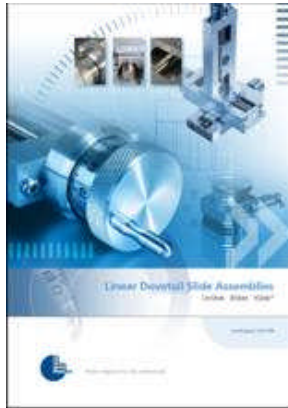
The stages are available with hand-wheel drives for manual positioning or with stepper or servo motors for automated applications – together with a wide choice of motion controls and drives also available from LG Motion. Throughout all ranges, the linear stages include precision leadscrews with a choice of 0.5 mm, 1.0 mm or 2.0 mm pitch in two accuracy grades to match the customer's resolution and fine positioning requirements. A typical positioning repeatability for the top grade leadscrew is < 0.01 mm with accuracy < 0.02 mm/100mm travel. Maximum travel for the largest width stages can exceed 660 mm for UniSlide and 2000 mm for BiSlide.

For straightforward multi-axis assembly, a range of adaptor plates and brackets are available along with an innovative cleat system for simplified mounting of the BiSlide and XSlide series. The new catalogue also highlights stage option information including material finishes, protection covers and vacuum preparation plus details of stage customisation and special open frame designs.

LG Motion's new LGR range rotary stages are also featured as manual and motorised designs in two ranges covering instrument and heavy load applications up to 500 kg. The precision worm-wheel mechanical system of both rotary stage types fully complements the accuracy and performance on the linear stages.

To complete the flexibility and choice on offer, five vertical elevating stages are included with load rating to 25 kg and accuracy to 0.02 mm/100mm.

**END**



Hi res image and text download available from [www.tacticalmarcomms.com](http://www.tacticalmarcomms.com) under downloads for LG Motion

For technical information, please contact Gary Livingstone at:

**LG Motion Ltd**

Bessemer Park  
Bessemer Road  
Basingstoke  
Hampshire  
RG21 3NB  
UK  
Tel +44 (0) 1256 365600  
Fax +44(0) 1256 365645  
Email: [g.livingstone@lg-motion.co.uk](mailto:g.livingstone@lg-motion.co.uk)

For editorial information, please contact Eddie Palmer at:

**Tactical MarComms**

Unit 16, Blythe Road  
Corfe Mullen  
Wimborne  
Dorset BH21 3LR  
UK  
Tel & Fax +44 (0) 1202 699967  
Email: [eddie.palmer@tacticalmarcomms.com](mailto:eddie.palmer@tacticalmarcomms.com)