

Heason

We know motion ...

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What are the main differences between lead screws and ACME screws?

"**Lead screw**" is a generic term that refers to any threaded drive screw using sliding surfaces to transmit the load. Lead screws are typically used for dynamic applications. Static

applications are generally referred to as "fastener screws" and utilize inefficient thread forms not well suited for regular motion.



"**ACME**" is a term that refers to a particular thread form. An ACME screw is also a lead screw but not the reverse. The ACME thread standard was designed for part interchangeability and is accompanied by specific class such as 2G, 3G, 2C etc that have slightly different tolerances. ACME thread forms can be easily checked using readily available thread gauges.

However, ACME thread is designed for interchangeability and manufacturability. Other proprietary lead screw thread forms may perform better depending on the application but are more difficult to characterise.

For more information [click here](#) or call us on +44 (0) 1403 792 300.

- Precision Linear Actuators
- Frameless Motors
- Linear and Rotary Stages
- Stepper & Servo Motors
- Motion Controllers
- Servo & Stepper Drives
- Piezo Ceramic Motors
- Manual Stages
- Position Sensors
- Slip Rings

Sales Enquiries



If you have an enquiry or need to discuss an application with one of our Sales Engineers, please call our sales team on **+44 (0) 1403 792 300**.

Product Demos



Heason are running product demos so you have a chance to try before you buy! For more information contact one of our Sales Engineers on **+44 (0) 1403 792 300**.

Exhibition Schedule

Save the
DATE

X-Y positioning and control solutions



Heason have combined **positioning mechanics, integrated stepper motor/drives and motion controls** from two of its distribution partners to provide a unique range of **ready-to-run** single-axis and X-Y positioning stages that offer a modular motion system solution with reduced integration costs for

a wide range of applications.

The cost-competitive range combines **Dover Motion's XY range of precision positioning tables** in a wide choice of travel, accuracy and stage configurations with ABB's new and innovative DSMS series high-torque stepper motors that include integrated micro-stepping drives.

Click here to read the full article or **email us** for more information.

Ready for Extreme Environments

Elmo's extreme environment wide product portfolio is a standard off-the-shelf solution for severe temperature environments (ranging from: -40°C to +70°C), high humidity, extreme altitude, strong vibrations and intense mechanical shock.



Take a look at the latest Elmo Servo Drives **video** which highlights that these Servo Drives, available from Heason Technology, can withstand extreme environments and severe safety standards with high level of performance, advantage of compactness, efficiency and reliability.

To see the full range of Servo Drives we have available **click here** or call us on **+44 (0) 1403 792 300**.

Science, Technology & Innovation Exhibition,
Harwell 14 May
2015: Stand A18

Manufacturing & Engineering Exhibition,
Newcastle 8-9 July 2015:
Stand E1

SPE Oil and Gas Exhibition, AECC Aberdeen, 8-11 Sept
2015: Stand 2E61

DSEI Show, Excel
London 15-18 Sept 2015:
Stand S2 - 300

Engineering Design Show, Coventry 21-22
Oct 2015: Stand D50

Keep a look out for all forthcoming exhibitions on our dedicated [Exhibition page](#).

Social Media



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Emoteq Megaflux Motors



Frameless Megaflux series of high performance frameless brushless torque motors are computer-designed and optimised to provide the highest torque density brushless torque motors available.

Special attention has been given to the minimisation of their cogging torque to enhance their performance in precision applications.

Frameless Megaflux motors are thin annular rings with large diameter-to-length ratios, allowing integration directly onto the driven shaft.

Direct connection effectively eliminates problems of torsional resonances due to couplings and the backlash associated with gear driven systems.

[Click here](#) for more information on the Megaflux torque motors available or call us on +44 (0) 1403 792 300.

Spinea TwinSpin "T" Series Bearing Reducer

T series represents a wide range of TwinSpin high precision reduction gears with cylindrical shaped case. T Series high precision reduction gears consist of an accurate reduction mechanism and high-capacity radial and axial cylindrical roller bearings.

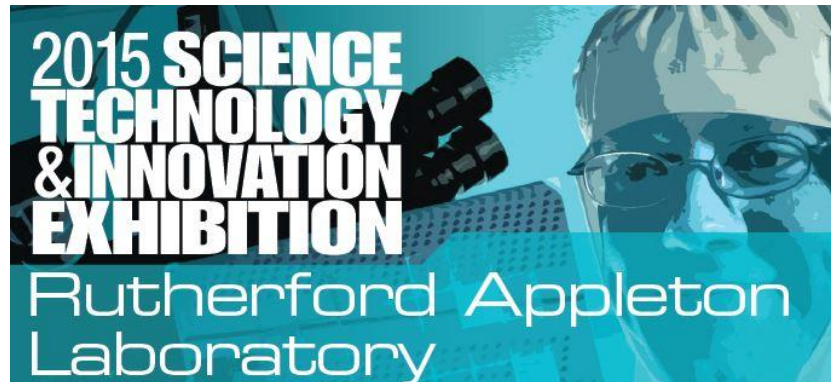


This design of reduction gears allows the mounting of the load directly to the output flange or case without requiring additional bearings. T Series high precision reduction gears are characterised by a modular design, which allows mounting of the reduction gear with your desirable motor type by an inlet flange.

T Series shows high precision reduction gears TwinSpin that are not completely sealed, the inlet flange and gasket kit has to be used for the sealing.

[Click here](#) for more information on the "T" Series Reducer Gears or call us on +44 (0) 1403 792 300

Science, Technology & Innovation Exhibition



On Thursday 14th May 2015, Heason Technology will be at The Science, Technology & Innovation Exhibition at the RAL, Rutherford - Stand A18.

This exhibition is a premier event for the promotion of Science, Technology and Innovation.

Come along and meet Jon Howard, Managing Director, and Ash Chury, UK Sales Manager, on the day.

[Click here](#) to pre-register for the show. Please note that entry onto the Rutherford Appleton campus requires pre-registration.

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