

- Improve speed and output by automating quality control testing
- Test tensile strength automatically with feedback
- Verify screw-caps and childproof lids
- Check screw threads as part of an automated production line
- Eject items at high speed and without slowing production
- Reduce labour costs and improve production speed

Bottle Capping and Checking

ORLIN's range of Moving Coil Actuators bring significant technical benefits to companies both making and using capping systems. We can improve your productivity, save you money and improve accuracy by testing and capping in one process.



- Soft-land technology means that the actuator finds the

top of the container gently, and can be reported in real-time.

- The unit prevents cross-threading by rotating the cap counter-clockwise on landing to locate the start of the thread. The process can be programmed to interrupt if the threads do not match.
- The cap is rotated clockwise and a number of checks can be made, including counting the number of rotations to close, the distance travelled, the torque required etc.
- Containers requiring a child

-proof or tamper-evident seal can be checked to prove the seal has engaged, without requiring an additional step in the process..

Moving Coil Actuators are ideal for:

Pharmaceutical bottles requiring child-proof caps

Food and beverage containers with a tamper-evident seal

Small containers eg vaping liquid

Luer Connectors for making leak-free connections between small devices.

Piezo Products for Optronics

ORLIN can supply innovative opto-electronic systems for manufacturers of high-end industrial vision solutions as used in surveillance and security. Applications include automated inspection, night vision, thermal imaging, and free-space optical imaging communication using CCD & CMOS cameras, thermal imaging, cooled & uncooled IR camera.

Available mechatronic components are able to improve the performance of embedded vision systems, and can operate in harsh

environments. We supply compact, dynamic and precise XY piezo and magnetic stages, piezo tip-tilt platforms and fast steering mirrors.

Some uses of the technology include:

- Micro-scanning, pixel shift and dithering functions to enhance image resolution for a detector, such as CCD, CMOS, FPA.
- Optical image, laser or line of sight stabilization and anti-shaking or anti-blurring functions for precise target pointing and better image

quality.

- Auto focus function for continuous, fully automated correction of image focus. The controller and piezo stage can be fully customised depending on lens size and demands.



Encoders for Precision and Accuracy

Photoelectric encoders are used to convert working parts (machine tools, robots etc.); angular or linear displacements into electrical signals containing information about the magnitude and direction of the displacement. After further signal processing by the numeric control devices (processor complexes, digital read-out devices), this information is used to control the moving parts.



Encoders are commonly used in machine tools and other devices that rely upon accuracy and precision.

ORLIN Technologies Ltd are able to supply bespoke encoders or parts to fit your existing system, or can provide a complete solution.

The range we supply includes photoelectric and magnetic linear, rotary and angle encoders. We also provide digital readout devices compatible with encoders.

ORLIN Bespoke Training Available

ORLIN Technologies Ltd is pleased to be able to offer a complete training package to help you get the best from your products. Our experienced trainer can offer a bespoke training programme, designed around your needs. Whether you are a new user

of motion technology or have existing products you want to get the best from, get in touch and we can have a chat about how best we can help.

We are able to travel to you to offer on-site support and training using

your own products or we have a fully -equipped demo area in our workshop in Bedford and can offer complete training using our equipment.

Call on 01525 306100 for information.



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ORLIN Technologies Ltd has been providing solutions in precision motion control technology for a decade. We are industry specialists based in the UK and deliver high quality complete systems and components in motion control, micro and nano-positioning solutions and related products for science, industry and manufacturing.

ORLIN Technologies has teamed up with the leading international manufacturers in their respective fields to bring you the most innovative and reliable products on the market. Our expertise means that we are able to offer a full technical support service whilst providing the very best value for money to our customers. We have experienced engineers who can visit your site and discuss how ORLIN's products can increase your productivity and profitability.

ORLIN Technologies Ltd is proud to supply products by:



SMART MOTOR DEVICES