

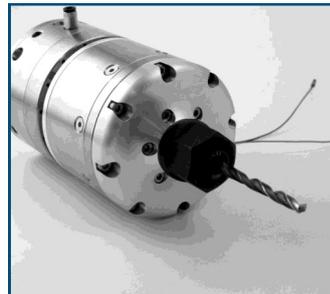
- A reliable range of products are required to build a stable optical assembly.
- ORLIN products exceed industry standards and most are compatible with other manufacturers.
- Extensive range of more than 1,000 products available at competitive prices.
- High quality allows you to build flexible and sturdy assembly units.
- You can even buy online!  
[www.opto-mechanics.co.uk/](http://www.opto-mechanics.co.uk/)

## Vibration Controlled Drilling and Milling

**Mechatronics solutions** add value, increase productivity and accuracy and help lower costs in manufacturing.

Machine manufacturers, machine tool builders and industrial partners are using products from ORLIN Technologies Ltd to optimize metal cutting, forming, extrusion and chemical processing.

Motion Control actuators, sensors, drivers and controllers and specifically designed to be used in heavy manufacturing environments, They may look small and delicate but they are in fact but they are tough and hard-wearing—perfectly suited for harsh environments and



**Vibration assisted machining**

extreme temperatures.

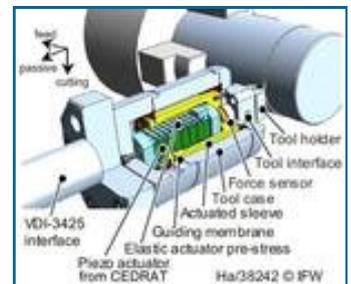
### Vibration Assistance

Plug and play smart tool holders and embedded actuation solutions are used to generate additional vibrational energy in drilling processes. This increases process quality and quantity, increases tool life, saves energy and allows for more

complex machining.

### Vibration Damping

Unwanted vibrations, which limit milling, turning and grinding operations, can be eliminated by installing intelligent damper units on existing or new machines. Typical chatter vibration reduction over 1Hz-1kHz are -10dB:-20dB, with improved stability in all cases.



**Fully integrated in your system**

## Actually, what is an actuator?

**ORLIN Technologies has been supplying actuators and related motion control products for over 10 years.**

But what exactly do our products do?! Our actuators tend to be small and precise. In a nutshell, they are able to do most movements that a human hand can do, with a similar range in force. However, our machines have precision and control that a human hand could never achieve,

and give instant feedback to provide results when needed.

Our actuators have the ability to push, pull, twist, turn, drag and drop, at very accurate and specific locations and forces. If you want to see some of our actuators in action, take a look at our YouTube Channel where we have videos of our products testing smart phone touch-screens, rejecting bottles on a production line and filling and capping bottles

precisely and quickly.

ORLIN Technologies is not just about actuators, though. We also supply drivers, controllers, small motors, opto-mechanical products, laser beam dumps and stands and much more. If you require any motion control or opto-mechanical products, ask us to provide a competitive quote with no obligation to purchase. We can even visit you to demonstrate our range.

# Filling, Dispensing and Dosing

Bottles are often slightly overfilled to eliminate the risk of not meeting regulations on having under-filled containers. A primary contribution to the overfilling is due to the lack of repeatability in response time of the filler head from one fill to another.

Pneumatically actuated driven filler heads have some of the largest variations in response times (~±15ms). With the use of moving-coil actuators the repeatability in response time is greatly reduced (~±1ms) allowing the user far more control of their filling process and thus saving them product due to excess overfilling. Not only do our actuators offer the user cost savings due a much

tighter and more repeatable response times, they also allow the user to have a completely



programmable/ controlled motion profile, a patented Soft-Land function that aids in the life of the filler valve seat, flexibility to adjust/ change programs/products at the touch of a button, and extended life for the filler valve actuator .

Over hundreds, thousands, or millions of containers this continuous small amount of product savings along with the energy savings, less downtime, and faster changeovers lead to a generous cost-savings to the customer. With these savings, our actuators pay for themselves quickly. Moving Coil Actuators bring significant technical benefits to companies making and using dispensing, filling and dosing systems.



## ORLIN Technologies Ltd

32 College Street

Kempston

Bedford

MK42 8LU

t. 01525 306100

e. sales@orlin.co.uk

w. www.orlin.co.uk

**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.

## Meet the ORLIN Team

### MARTIN BELL

Martin is the brains behind ORLIN Technologies Ltd and has run it for over a decade. He has worked in the laser industry and with motion control products for most of his working life and knows an awful lot about both the hardware and the software behind it. He can often be found tinkering in the workshop with the newest products.

### EMMA SOHL

Emma has been with ORLIN since March 2016 and looks after the marketing, administration and generally keeps everything running smoothly.

Emma's background is in marketing, with a diversion along the way to work in photography. She is very organized and a bit bossy—especially when it comes to keeping Martin in line!

### OFFICE DOGS

The team is completed by our pair of office dogs. Monty the retriever and Dexter the miniature schnauzer often come into the office and provide us with some entertainment and the motivation to walk to the park at lunchtime!



**ORLIN Technologies Ltd is proud to supply products by:**



**SMART MOTOR DEVICES**