

- Vibration elimination is crucial when using highly sensitive scientific equipment
- Vibration assistance enables precise machining of advanced materials and alloys
- Using the correct combination of actuators, controllers and sensors will improve productivity, sensitivity and accuracy
- ORLIN Technologies Ltd is your UK supplier of CEDRAT Technologies piezo-electric actuators, controllers and sensors.

# Active Actuation

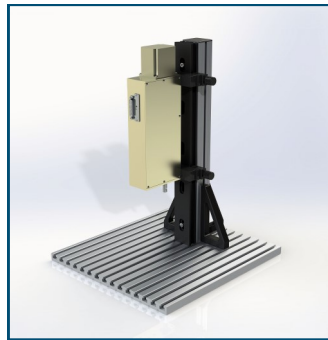
OCTOBER 2016

## Automated Screw Thread Checker

**ORLIN Technologies has launched its new automated screw thread checking system.** This new application uses the latest technology in linear/rotary moving coil actuators and feedback software.

By automating the manual thread gauge method, the ORLIN solution can automatically check for:

- Minor diameter
- Major diameter
- Pitch diameter
- Pitch
- Foreign objects
- Double tapped thread
- Thread depth
- Missing threads
- Cylindricity



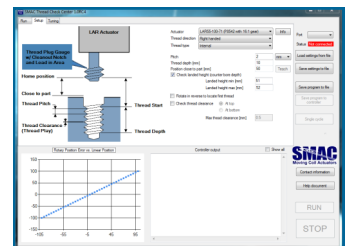
**Screw Thread Check Unit**

The system can be used with blind or through holes, internal or external threads. It is easily incorporated into a production environment or available as an OEM version to integrate as you wish. The screw thread check will give definitive pass/fail checks of thread quality, at high speed and low cost.

Our custom software acquires feedback directly from the tread

checker, meaning that tool wear becomes apparent sooner, increasing the quality of all your parts and ensuring top-notch quality control guarantees for your customers.

ORLIN can bring a Screw Thread Checker to you for a demonstration, or you can visit



**Custom Software**

our workshop and demonstration area to see it in action for yourself.

## Mechatronics in Manufacturing

**ORLIN Technologies is proud to be the UK supplier for innovative products from CEDRAT Technologies.**

CEDRAT mechatronics components include actuators, sensors, drivers and controllers which are specifically designed for manufacturing environments. They are compact, powerful and precise and are traditionally used in harsh environments. The motion and sensors cover a wide

dynamic bandwidth.

### 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.

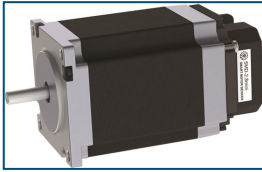
### Vibration Damping

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.

For more information, get in touch with ORLIN Technologies, the UK supplier of CEDRAT Technologies products.

# Our Motors Are Smart!

We are proudly introducing our new range of products from **Smart Motor**



**Devices** to the UK market. The range features an

extensive range of innovative brushed and brushless motors, stepper motors, controllers and drivers at



extremely competitive prices.

These new products means that our range of specialist products is more accessible than ever before.

The newest release is a variety of stepper motors with built-in drivers. These products save space and work straight out of the box.



## ORLIN Technologies Ltd

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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.

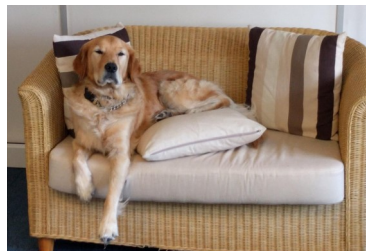
ORLIN Technologies has teamed up with the leading international manufacturers in their respective fields to bring you the most innovative and reliable products on the market. Our expertise means that we are able to offer a full technical support service whilst providing the very best value for money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

## Meet the ORLIN Team

### MARTIN BELL

Martin is the Managing Director of ORLIN Technologies. He began the business from home ten years ago, and has grown the company to fill our new offices, workshop and demonstration space in Bedford. Martin has decades of experience in lasers, optics, actuators and associated electronics. In his spare time he likes to tinker with electronics and

always has a number of personal projects on the go.



Monty - working hard!

### MONTY THE OFFICE DOG

Monty the golden retriever loves to come to work with Martin! Before he found a home with Martin and his family, Monty was a rescue from an Irish dog pound. He really has fallen on his feet now.

The ORLIN office even has a sofa for doggy-naps!

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



**SMART MOTOR DEVICES**