

Company Profile

Supporting smaller beam sizes and higher measurement resolution.

Our micro-and nano-scale motion and position control solutions provide the enabling motion platform to run diffraction, tomography, laminography and crystallography experiments and collect data more precisely, faster and easier than ever before.

From standard rotary and linear stages to complete customised solutions, our high-resolution, high-accuracy sample positioning minimises spatial errors. Accuracy, repeatability, and sphere of confusion are available to the nanometer level allowing for more accurate imaging and higher quality data.

We deliver smooth velocity control, synchronised data collection and programmable real time detector triggering based on the calibrated position of other axes. Our control platform allows the user to easily integrate stepper, servo, and piezo actuator technology using a single user interface and allows coordination of all axes when needed. This provides a high degree of flexibility for future experiments and upgrades with minimal difficulties.

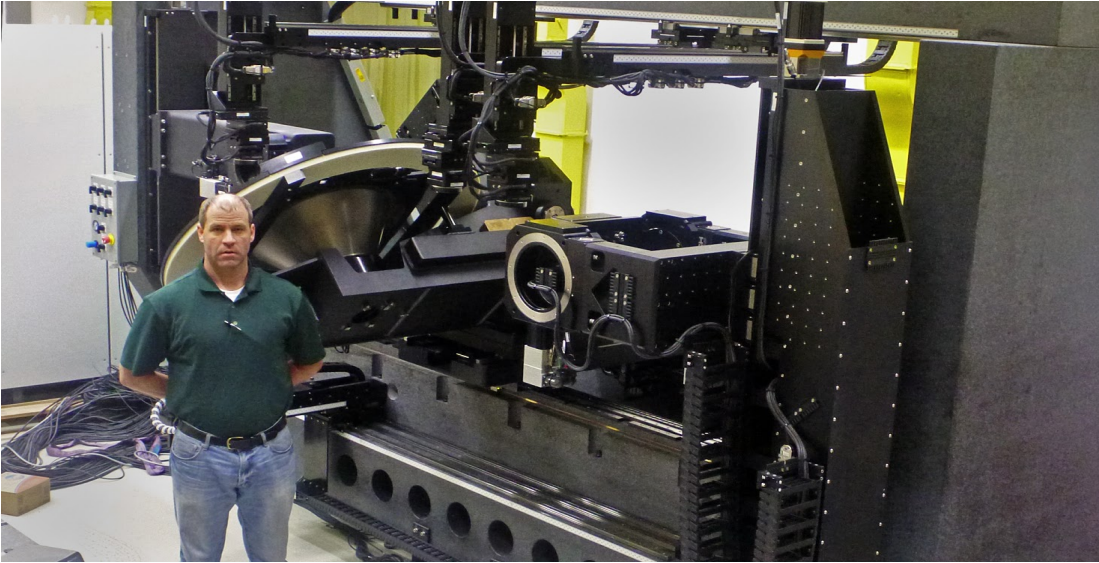
Our integrated granite and motion systems are ideal for optics and mirror positioning and inspection. We also offer ultra-high vacuum solutions and our multi-axis, high-performance motion controller is the easiest to configure, optimise and use with many wizards to set up various features.

Book an appointment with one of our motion experts to learn more about how we can help you achieve your goals.

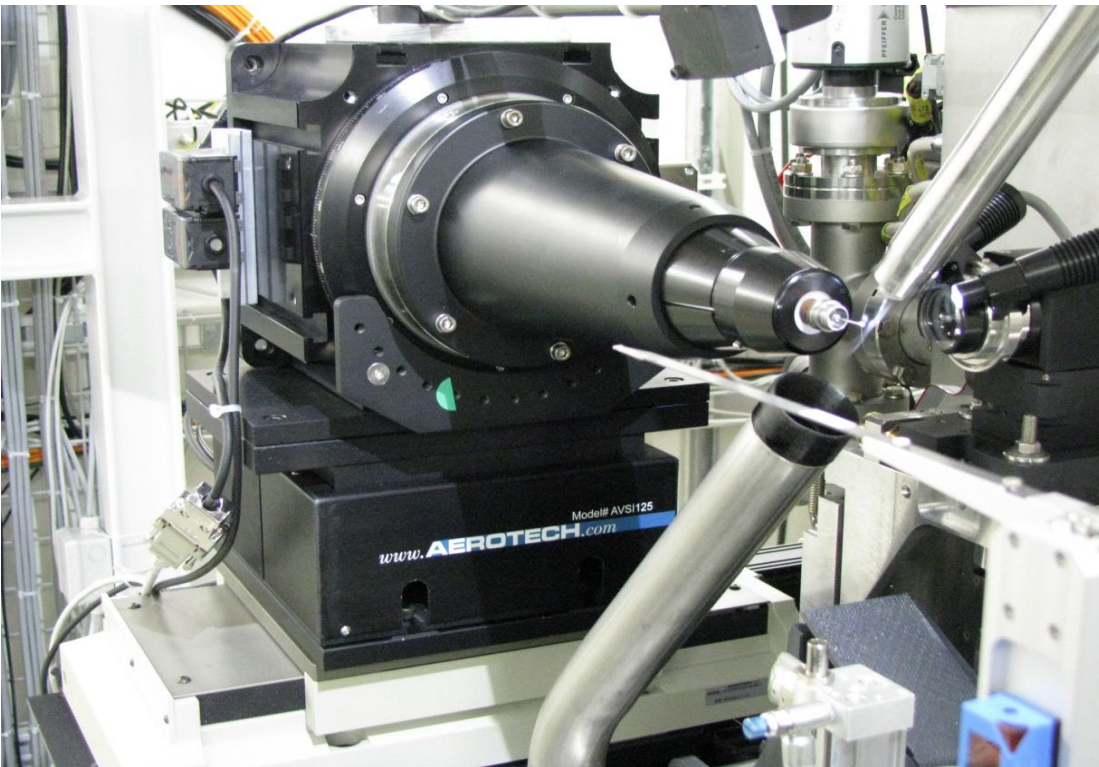
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Pictures



Examples of large scale granite and motion axes integration



Example Crystallography setup using an air bearing to minimise error motion

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Global locations to support your needs

Aerotech

Headquartered in Pittsburgh, USA, Aerotech Inc. is a mid-sized, employee-owned company. Founded in 1970 by Stephen J. Botos, Aerotech develops and manufactures the world's most powerful motion control and positioning systems for customers in industry, science and research. The owners continue to place the utmost importance on open and trusting dealings with customers, business partners and employees. In Germany, the medium-sized company is represented by its own subsidiary, Aerotech GmbH, based in Fuerth, Franconia. In addition to sales and service activities, the customised assembly of positioning systems for the European market takes place in Fuerth.

Aerotech has full-service offices in Germany (Fuerth), the United Kingdom (Ramsdell), China (Shanghai City) and Taiwan (Taipei City). Aerotech currently employs approximately 500 people worldwide.

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