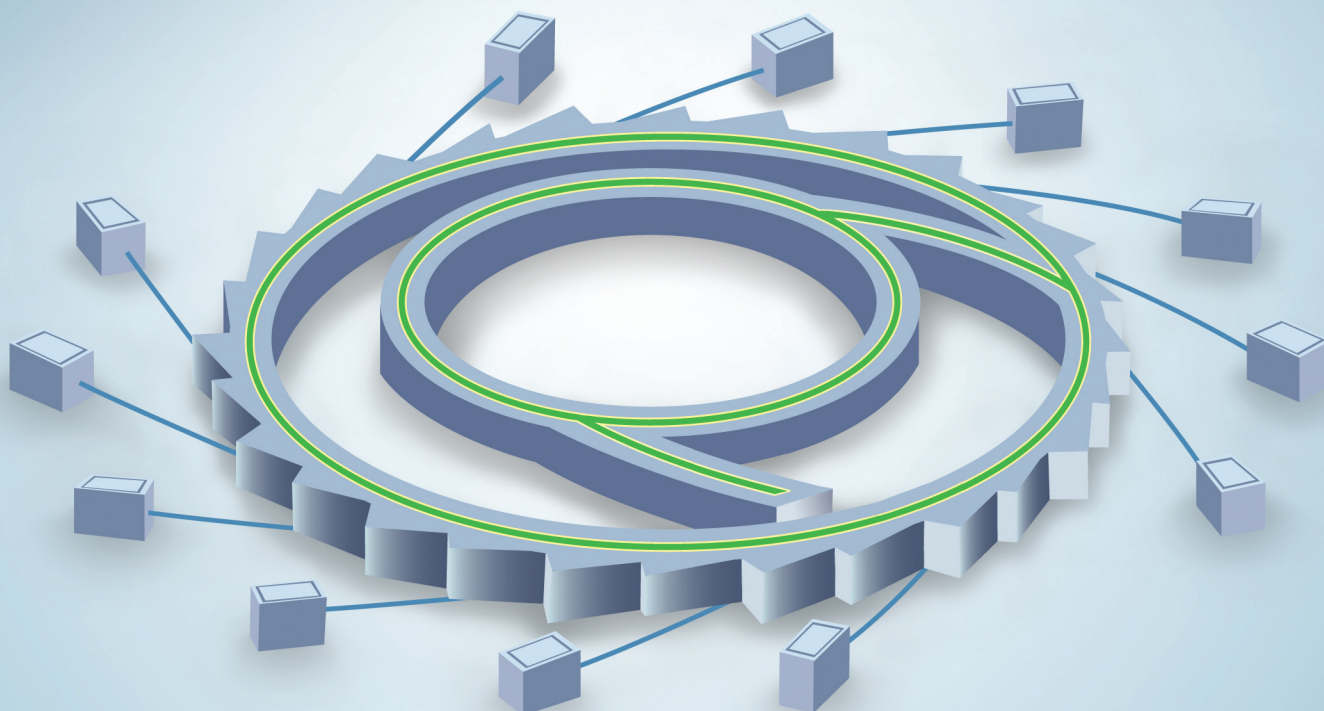




Advanced Motion Control Solutions for Lightsource Experiments

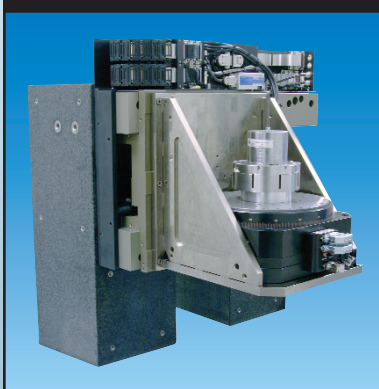


High Performance Components



ABRT air-bearing rotary

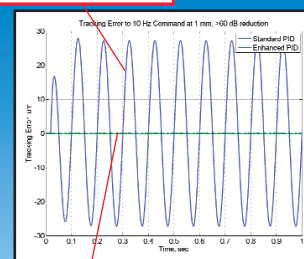
Integrated, Single-Source Solutions



Fully integrated subsystems

Disturbance Rejection and Performance Enhancement

Position error without harmonic cancellation



Position error with harmonic cancellation

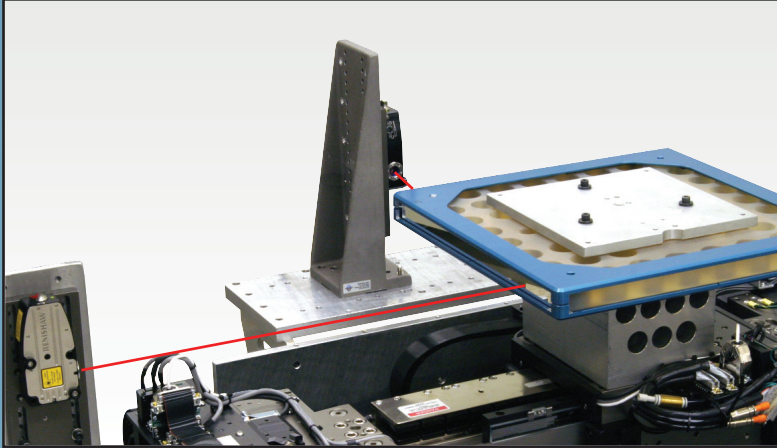
Advanced control algorithms with EPICS and Tango drivers



www.aerotech.com

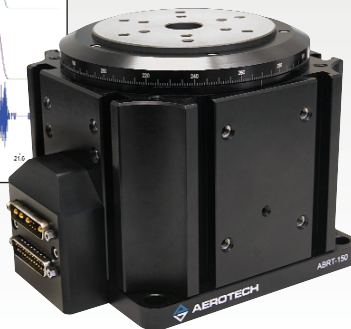
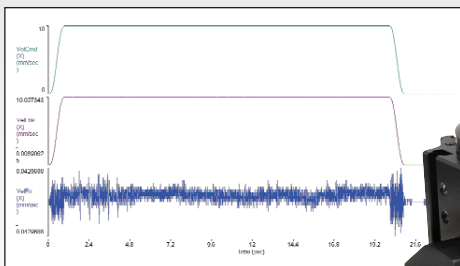


Guaranteed Performance and Proven Reliability



- Precision alignment and sphere of confusion measurements down to arc-sec and micron levels
- 1D and 2D calibration
- State of the art metrology facilities and equipment
- Thousands of axes worldwide in industrial environments
- Tens of thousands of hours of reliable consistent performance

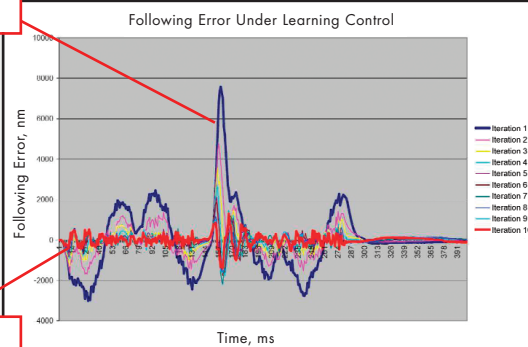
Smooth Motion and Ultimate Velocity Stability



- Rotary and linear air bearings provide the best mechanical system possible for smooth motion
- Industry-leading control algorithms reject external disturbances and enhance performance
- Linear amplifiers provide ultimate control with noise immunity

Fast Results

1st Iteration



Final Iteration

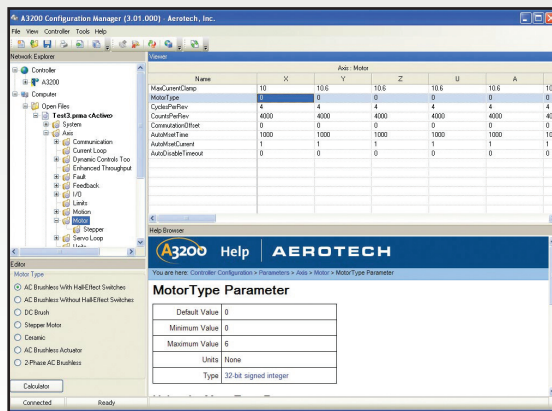
- Minimize step and settle times, reduce errors with intelligent learning control
- Trigger data acquisition on the fly with Position Synchronized Output (PSO)

Nanometer Performance with Long Travel



- Nanometer step size with travels up to 160 mm
- Linear, rotary and angular motion stages

Fast, Easy Setup and Programming

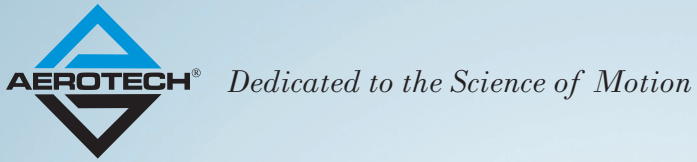


- Full suite of graphical utilities
- Easy, intuitive calculators and wizards for hassle-free configuration
- EPICS and Tango compatibility

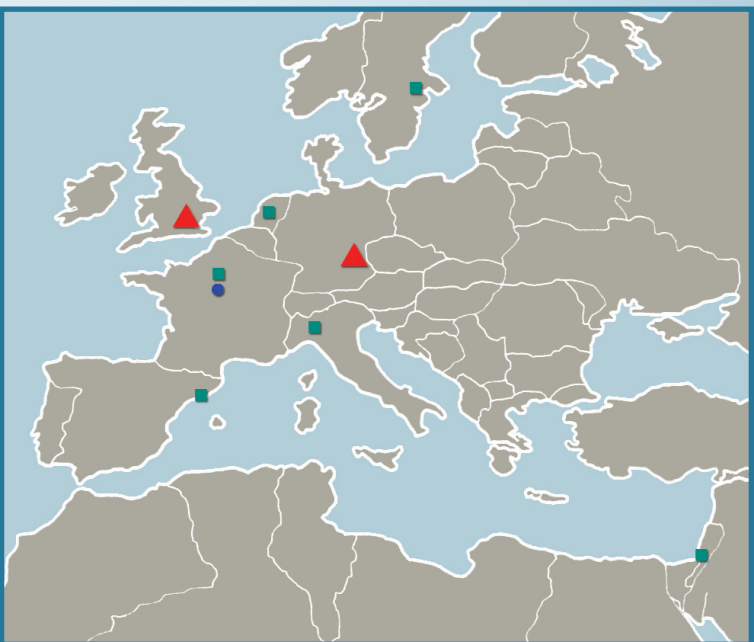
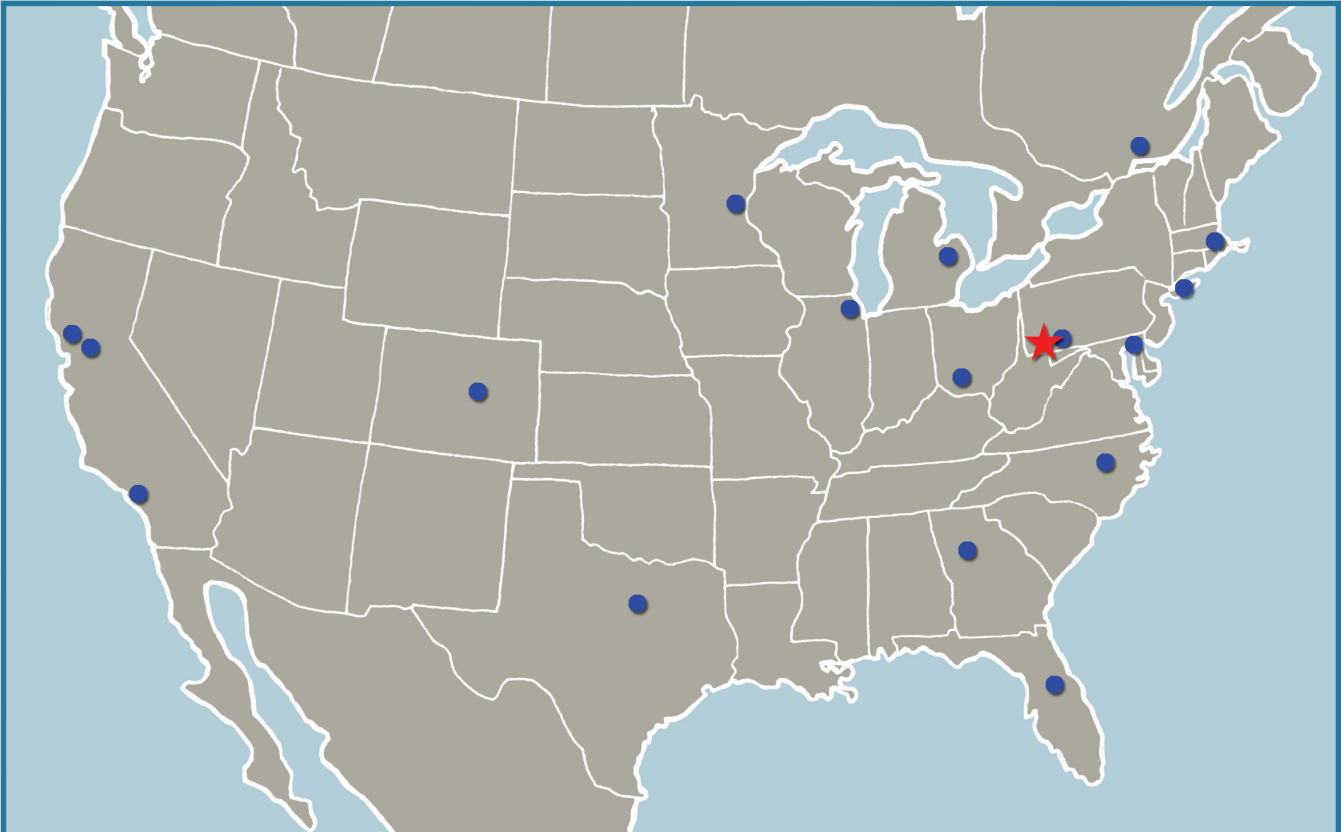
Single Source Solutions



- Mechanics, controls, software, safety, data acquisition, PLC, nanotechnology – all from a single supplier with one point of contact
- Setup assistance and tech support available 24/7 on a worldwide basis in English, German, French, Japanese, and Mandarin Chinese



Aerotech's Worldwide Sales and Service Locations



★ - Aerotech Headquarters ● - Direct Field Sales Office ▲ - Aerotech Subsidiary ■ - Representative