

## **ANT95-R and ANT130-R Nanopositioning Rotary Tables Offer Laboratory Performance on a 24/7 Production Floor**

*Aerotech announces its ANT95-R and ANT130-R Nanopositioning Rotary Tables.*

Aldermaston, UK (FPRC) October 3, 2011 -- Aerotech, a leading designer and manufacturer of high performance motion control and positioning systems, announces its ANT95-R and ANT130-R rotary tables. Aerotech's ANT95-R and ANT130-R direct-drive rotary tables are part of Aerotech's nano Motion Technology product line. They offer unprecedented in-position stability (0.005 arc sec) and incremental motion (0.01 arc sec) using our unique direct-drive technology, and are ideal for demanding high-throughput manufacturing applications such as disk-drive and MEMS manufacture and test, fiber-optic device alignment, as well as for super-high-precision laboratory R&D applications.

The ANT95-R and ANT130-R rotary tables incorporate Aerotech's unique direct-drive for extremely smooth motion, and both rotary tables are available in 20°, 180° or 360° continuous travel. Maximum speed is 200 rpm and maximum acceleration is 400 rad/s<sup>2</sup>. Axial load capacity is 2 kg for the ANT95-R and 3 kg for the ANT130-R. These rotary tables also offer an 11 mm clear aperture that can be used for product feed-through, laser beam delivery, cable clearance, or application-specific requirements. Error motion specifications are outstanding.

### **Multi-Axis Capabilities**

The ANT95-R and ANT130-R series are designed for compatibility and easy integration with Aerotech's ANT linear tables. Together these tables provide the accuracy, stability, and performance required for current and future nanomanufacturing and inspection applications. Their low profile reduces the effective working height, minimizing 'stack-up' related errors when used as part of a multi-axis system.

### **Durability**

The ANT95-R and ANT130-R rotary tables were designed to operate in a 24/7 manufacturing environment while providing laboratory-grade accuracy. Unlike other extremely precise rotary tables, they require no periodic maintenance, and our direct-drive ensures years of trouble-free operation.

### **Get a Complete System**

Aerotech offers a complete motion system solution to get the most from your ANT series rotary table. Motion control options include the software-only 1-32 axis Automation 3200 machine controller, the stand-alone 1-10 axis Ensemble™ series motion controller, and the stand-alone single-axis Soloist™ series. Both PWM and ultra-low-noise linear amplifiers are available to complete your Aerotech motion system.

### **About Aerotech**

Since 1970, Aerotech has designed and manufactured high performance motion control and positioning systems. Aerotech's motion control systems provide customers in industry, government, science and research institutions around the world with optimum performance for semiconductor and flat panel, photovoltaic, nanopositioning, photonics, automotive, medical device and life sciences, laser processing, military/aerospace, electronic manufacturing, data storage, and other demanding applications requiring high precision, high throughput motion solutions.

For more information on Aerotech's motion control and automation solutions, please contact:

Simon Smith  
European Director of Sales and Marketing  
Aerotech Ltd  
Jupiter House  
Calleva Park  
Aldermaston  
Berkshire  
RG7 8NN  
UK

**Contact Information**

For more information contact Simon Smith of Aerotech (<http://www.aerotech.co.uk>)  
+44 (0)118 940 9400

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