

FEATURES

Aerotech Website Upgrade
Gimbals and Optical Mounts
Latest Software Releases
Motion Control and Positioning Library

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CONTACT US

Aerotech, Inc.
Phone: 412-963-7470
Email: sales@aerotech.com
Web: www.aerotech.com

Aerotech Ltd.
Phone: +44-118-9409400
sales@aerotech.co.uk

Aerotech GmbH
Phone: +49-911-9679370
sales@aerotechgmbh.de

Aerotech KK
Phone: +81-47-489-1741
sales@aerotechkk.co.jp

TRADESHOWS

Productronica
Munich Trade Fair Centre
Munich, Germany
Booth B5.452
November 13-16, 2007
<http://www.productronica.de>

Precisiebeurs
NH Koningshof Hotel
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November 28-29, 2007
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AEROTECH QUICK LINKS

Knowledge Base - FAQs
Engineering Reference
Software & Manual Downloads
CAD Downloads
Job Listings

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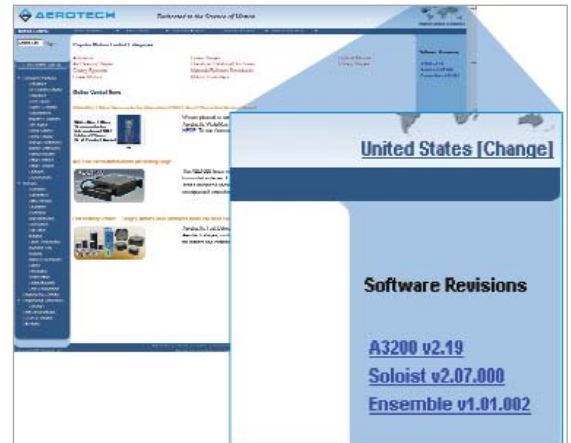
Aerotech Upgrades Website to Improve Your Productivity and User Experience

We recently unveiled our latest website upgrade with the purpose of not only improving the look and feel, but also providing a more productive experience for our users.

The website upgrade retains features and functions from our previous site that users found useful, while adding new ones that allow a user to easily find similar products and complementary components. For example, if you are interested in a linear or rotary stage, we now provide quick links to one or more other stages with similar attributes so that you can compare and contrast models. We also provide quick links to the applicable motion controllers available for your stage of interest. In addition, we've made it faster to reach some of the most visited items on our site – for example, the latest software revisions for our motion controllers are now included on the homepage.

While the navigation has been updated and streamlined, we retained the general site layout that many of you have come to know so well. Therefore, our website upgrade should provide all of the benefits with none of the learning curve drawbacks that a complete navigation change would entail.

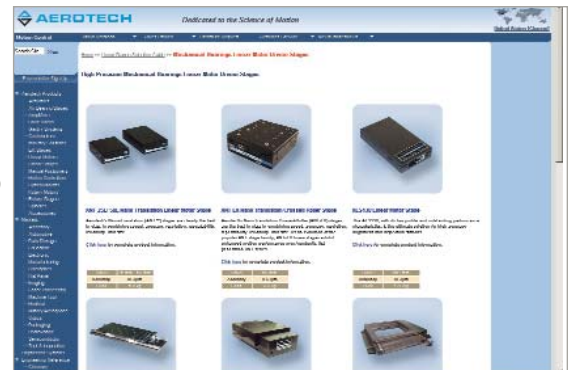
Please visit our website and let us know what you think. We want to make our website convenient for you. Here's a [LINK](#) to the Aerotech website, and click [HERE](#) to send us your thoughts.



The homepage features quick links to the latest revisions of Aerotech controller software.



We've added more information on the markets we serve.



Our "Quick Select" pages streamline your search for products.

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Motorized and Manual Gimbals and Optical Mounts

Aerotech's AMG and AOM families of gimbals and optical mounts are designed for highly accurate pointing, scanning and target tracking of large optics, antennae, telescopes, and cameras, and are also used to test and calibrate inertial sensors, gyros, and seeker heads. Available in [direct drive](#), [gear drive](#), and [manual](#) models, they provide sub arc-second resolution and accommodate loads up to 600 mm in diameter.



Aerotech's gimbals and optical mounts are available in [direct drive](#), [gear drive](#), and [manual versions](#) and accommodate loads up to 600 mm in diameter.

Go [HERE](#) to review our full line of gimbals and optical mounts.

Latest Software Releases

This section lists the latest revisions of Aerotech software, providing a handy method of checking to see that your Aerotech software, and hence your Aerotech system, is working at peak efficiency. All Aerotech software is available for instant download from our website — just click the software title! An entry in **red** means the software has been updated since our last newsletter.

Software	Version	Description
A3200 Digital Automation Platform	Version 2.19	Nmotion® SMC Libraries and Utilities, Ncontrol® Software Developers Kit, Nview® HMI, Windows Help Files
Soloist Single Axis Controller	Version 2.07.000	Interface Software and Windows® Help File
Ensemble	Version 1.01.002	Please contact Aerotech for more information.
U600 HMI	Version 6.00.136	Windows® HMI
U600 SDK	Version 6.00.136	U600 Software Developers Kit
U600 LIB	Version 6.00.136	Windows® Help File, U600 Libraries and Utilities
U500 PC-Bus-Based Controller	Version 5.22	Windows® HMI and Windows® Help File
U511 Stand-Alone Controller	Version 5.22	Interface Software and Windows® Help File

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Motion Control Advertisement

Motion Control and Positioning Library

This resource provides a short summary and a link to articles, tutorials, white papers, and other materials that discuss problems and solutions involving motion control and positioning equipment and systems.

Articles

Machine Vision Speeds PCB Solder-Joint Inspection

The system combines servo motion, continuity testing, and solder-joint inspection in one unit for processing of automotive connectors. Read the full article [HERE](#).

Motion Control Requirements for Hermetic Seam Welding

A discussion of the motion control platform in regard to hermetic seam welding of sophisticated electronic devices implanted in the human body. Read the full article [HERE](#).

Digitizing a Century of Astronomical Images

Aerotech's ABL9000 air-bearing stage is put to use to efficiently digitize more than 500,000 photonegatives. For more information on this article, click [HERE](#).

Two-Photon Polymerization: A New Approach to Micromachining

Femtosecond lasers enable microfabrication with resolution beyond the diffraction limit. Read the full article [HERE](#).

Aerotech Pushes Mechatronics Envelope with Motion Systems

An interview with Dr. Robert Novotnak discussing how mechatronics is employed in high-precision motion control. Read the full interview [HERE](#).

Precise Triggering of External Events Based on Axis Position

An axis-based trigger in the controller can significantly improve part quality, reduce cycle time, and eliminate processing problems. This article discusses Aerotech's unique PSO (Position Synchronized Output) option. Read the full article [HERE](#).

Linear Motors Application Guide

A tutorial guide to the history, design, and application of linear motors. Get the PDF [HERE](#).

Applications Dictate Gimbal Selection

The choice between [direct-drive](#) and [gear-driven](#) gimbals and optical mounts presents an opportunity for a comparison of the pros and cons for each. Read the full article [HERE](#).

Search the Aerotech [Article Archive](#)

Standards Organizations

1394 Trade Association
<http://www.1394ta.org>

ISA, the International Society for Measurement and Control
<http://www.isa.org>

IEC
<http://www.iec.ch>

ISO
<http://www.iso.org>