

## FEATURES

Motor Sizing... as Easy as 1-2-3  
Last Chance for ISA Boards!  
Latest Software Releases  
Motion Control and Positioning Library

## SUBSCRIBE/UNSUBSCRIBE

SUBSCRIBE/UNSUBSCRIBE to the Aerotech E-Newsletter.

## CONTACT US

### Aerotech, Inc.

Phone: 412-963-7470  
Email: [sales@aerotech.com](mailto:sales@aerotech.com)  
Web: [www.aerotech.com](http://www.aerotech.com)

### Aerotech Ltd.

Phone: +44-118-9409400  
[sales@aerotech.co.uk](mailto:sales@aerotech.co.uk)

### Aerotech GmbH

Phone: +49-911-9679370  
[sales@aerotechgmbh.de](mailto:sales@aerotechgmbh.de)

## TRADESHOWS

### Automation Tech Expo South

Georgia World Congress Center  
Atlanta, GA  
Booth 2451  
April 24-26, 2007  
[www.deviceink.com/expo/spack2007/at\\_am\\_expo.html](http://www.deviceink.com/expo/spack2007/at_am_expo.html)

### CLEO 2007

Baltimore Convention Center  
Baltimore, MD  
Booth 1318  
May 8-10, 2007  
[www.cleoconference.org](http://www.cleoconference.org)

### Optifab 2007

Rochester Riverside Convention Center  
Rochester, NY  
Booth 1342  
May 15-17, 2007  
[www.spie.org/exhibitions](http://www.spie.org/exhibitions)

## AEROTECH QUICK LINKS

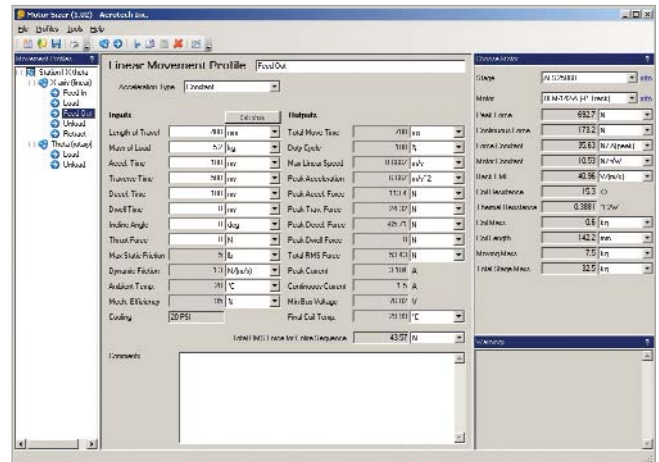
[Knowledge Base - FAQs](#)  
[Engineering Reference](#)  
[Software & Manual Downloads](#)  
[CAD Downloads](#)  
[Job Listings](#)

Copyright © 2007 Aerotech, Inc.

## Upgraded Motor Sizing Software Makes Specifying a Linear or Rotary Motor as Easy as 1-2-3

*Version 1.02 features an updated user interface, improved calculations, profile plotting, and the ability to size multiple axes in one place*

Each motion application has its own drive system requirements that are not always evident to those not versed in the selection and use of linear or rotary motors. In order to simplify the motor selection process and to ensure optimal results, Aerotech has developed its latest version of our popular motor sizing software — version 1.02. It is an excellent choice to quickly and efficiently choose the types and specifications of motors that will offer your application the highest performance, greatest economy, and most accurate motion available.



*Aerotech's complimentary motor sizer provides an accurate, quick, and convenient method of specifying both linear and rotary motors. In addition, Aerotech manufactures a wide variety of linear and rotary motors to meet your needs.*

### Motor Sizer Version 1.02 includes many useful upgrades from our previous motor sizers:

- Size a series of moves for one axis and determine the combined effect of these moves in a complete sequence with regard to rms force/torque and motor heating.
- Plotting of individual profiles or the entire sequence.
- Save, load, and print projects.
- Stack multiple axes together to size a multi-axis system.
- Size both linear and rotary motor axes.
- Complete specifications for Aerotech stages and motors.
- Increased unit options for inputs and outputs allows a mix of English and metric units.

Aerotech's complimentary motor sizer software provides a convenient, quick, and accurate way to choose the correct motor for your application, and is available for download now. [CLICK HERE](#) to download Aerotech's complimentary motor sizing software.

## FEATURES

Motor Sizing... as Easy as 1-2-3  
Last Chance for ISA Boards!  
Latest Software Releases  
Motion Control and Positioning Library

## SUBSCRIBE/UNSUBSCRIBE

[SUBSCRIBE/UNSUBSCRIBE](#) to the Aerotech E-Newsletter.

## CONTACT US

### Aerotech, Inc.

Phone: 412-963-7470  
Email: [sales@aerotech.com](mailto:sales@aerotech.com)  
Web: [www.aerotech.com](http://www.aerotech.com)

### Aerotech Ltd.

Phone: +44-118-9409400  
[sales@aerotech.co.uk](mailto:sales@aerotech.co.uk)

### Aerotech GmbH

Phone: +49-911-9679370  
[sales@aerotechgmbh.de](mailto:sales@aerotechgmbh.de)

## TRADESHOWS

### Automation Tech Expo South

Georgia World Congress Center  
Atlanta, GA  
Booth 2451  
April 24-26, 2007  
[www.deviceink.com/expo/spack2007/at\\_am\\_expo.html](http://www.deviceink.com/expo/spack2007/at_am_expo.html)

### CLEO 2007

Baltimore Convention Center  
Baltimore, MD  
Booth 1318  
May 8-10, 2007  
[www.cleoconference.org](http://www.cleoconference.org)

### Optifab 2007

Rochester Riverside Convention Center  
Rochester, NY  
Booth 1342  
May 15-17, 2007  
[www.spie.org/exhibitions](http://www.spie.org/exhibitions)

## AEROTECH QUICK LINKS

[Knowledge Base - FAQs](#)  
[Engineering Reference](#)  
[Software & Manual Downloads](#)  
[CAD Downloads](#)  
[Job Listings](#)

Copyright © 2007 Aerotech, Inc.

## Last Chance for ISA Boards!

Aerotech is discontinuing its line of ISA PC-board based motion controller, position synchronized output (PSO), and IO expansion cards. Prices have been significantly reduced and the remaining inventory is limited, so contact Aerotech [Customer Service](#) today!



[U500 Base/Plus/Ultra](#) four-axis, PC-bus motion controllers.

[PSO-PC](#) position synchronized output card.

[RDP-PC](#) four-axis encoder and IO interface expansion card.

[CLICK HERE](#) for more information on Aerotech ISA boards including availability, pricing, and specifications.

## 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
<a href="#">A3200 Digital Automation Platform</a>	Version 2.18	Nmotion® SMC Libraries and Utilities, Ncontrol® Software Developers Kit, Nview® HMI, Windows Help Files
<a href="#">U600 HMI</a>	Version 6.00.136	Windows® HMI
<a href="#">U600 SDK</a>	Version 6.00.136	U600 Software Developers Kit
<a href="#">U600 LIB</a>	Version 6.00.136	Windows® Help File, U600 Libraries and Utilities
<a href="#">U500 PC-Bus-Based Controller</a>	Version 5.22	Windows® HMI and Windows® Help File
<a href="#">U511 Stand-Alone Controller</a>	Version 5.22	Interface Software and Windows® Help File
<a href="#">Soloist Single Axis Controller</a>	Version 2.05	Interface Software and Windows® Help File
<a href="#">Ensemble</a>	Version 1.00	<b>Please contact Aerotech for more information.</b>

## FEATURES

[Motor Sizing... as Easy as 1-2-3](#)  
[Last Chance for ISA Boards!](#)  
[Latest Software Releases](#)  
[Motion Control and Positioning Library](#)

## SUBSCRIBE/UNSUBSCRIBE

[SUBSCRIBE/UNSUBSCRIBE](#) to the Aerotech E-Newsletter.

## CONTACT US

### Aerotech, Inc.

Phone: 412-963-7470  
Email: [sales@aerotech.com](mailto:sales@aerotech.com)  
Web: [www.aerotech.com](http://www.aerotech.com)

### Aerotech Ltd.

Phone: +44-118-9409400  
[sales@aerotech.co.uk](mailto:sales@aerotech.co.uk)

### Aerotech GmbH

Phone: +49-911-9679370  
[sales@aerotechgmbh.de](mailto:sales@aerotechgmbh.de)

## TRADESHOWS

### Automation Tech Expo South

Georgia World Congress Center  
Atlanta, GA  
Booth 2451  
April 24-26, 2007  
[www.deviceblink.com/expo/spack2007/at\\_am\\_expo.html](http://www.deviceblink.com/expo/spack2007/at_am_expo.html)

### CLEO 2007

Baltimore Convention Center  
Baltimore, MD  
Booth 1318  
May 8-10, 2007  
[www.cleoconference.org](http://www.cleoconference.org)

### Optifab 2007

Rochester Riverside Convention Center  
Rochester, NY  
Booth 1342  
May 15-17, 2007  
[www.spie.org/exhibitions](http://www.spie.org/exhibitions)

## AEROTECH QUICK LINKS

[Knowledge Base - FAQs](#)  
[Engineering Reference](#)  
[Software & Manual Downloads](#)  
[CAD Downloads](#)  
[Job Listings](#)

Copyright © 2007 Aerotech, Inc.

## 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

### 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](#).

### Air Bearings Aid Assembly of Flat Panel Displays

Many manufacturing processes for flat panel displays (FPDs) require precision motion control for feature generation and inspection. Aerostatic bearings are an excellent choice for many of these processes. Read the full article [HERE](#).

### Kinematics and Precision Stages Drive Laser Welding

Real-time kinematics coupled with direct-drive positioning systems provide the highest performance solution for laser seam-welding applications. Read the full article [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>