

New Scale News

January 2015

Greetings!

Are you attending BiOS or Photonics West? Here's your chance to see our incredibly small motion modules in action! You can also talk with our experts about your specific application and requirements.

*Where you need micro optics to move...
we're already there!*

We'll be doing a sneak preview demo of our newest rotary motion system, and showing all of our latest products as well (see below).

Let us know if you want to schedule a private demo in San Francisco, or if you can't come to the show but want to meet us another time. [Email us](#) or call Heidi at (585) 924-4450.

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~ Product Demonstration M3-LS Smart Stage with built-in controller

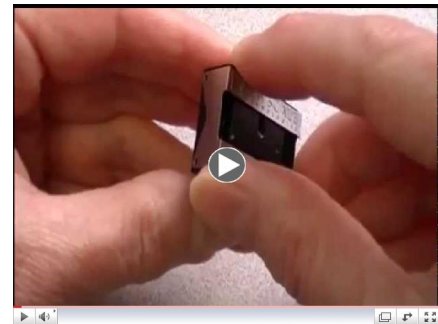
Precision micro positioning stage has built-in controller for smallest size and unmatched ease of use

The M3-LS Linear Smart Stage has 0.5 μm resolution with absolute encoding and built-in controller. At just 29x20x10 mm with NO external control board, the M3-LS gives you the smallest overall footprint and easiest system integration of any micro stage.

It is powering a new generation of portable instruments that require precision motorized optical adjustments.

Learn More

- [Watch the developer's kit video \(3:27\)](#)
- [Get M3-LS specifications, data sheet and drawings](#)



VIDEO: M3-LS Smart Stage Developer's Kit

Buy a Developer's Kit

- [Shop at Digi-Key](#) | [Shop at Mouser](#)

~ Product Demonstration M3-FS Focus Module with built-in controller

Miniaturize cameras and imaging systems for medical, industrial and commercial applications

The M3-FS focus module delivers precision lens motion in small spaces, for lens diameters up to 16 mm. This tiny closed-loop lens motion system helps you create next-generation portable devices.

The M3-FS is the smallest, easiest-to-integrate focus solution for product designers creating miniaturized optical systems for a range of markets.



VIDEO: M3-FS Focus Module Developer's Kit

Learn More

- [Watch the M3-FS developers' kit video \(3:36\)](#)
- [Get M3-FS specifications, data sheet and drawings](#)

Buy a Developer's Kit

- [Shop at Digi-Key](#) | [Shop at Mouser](#)

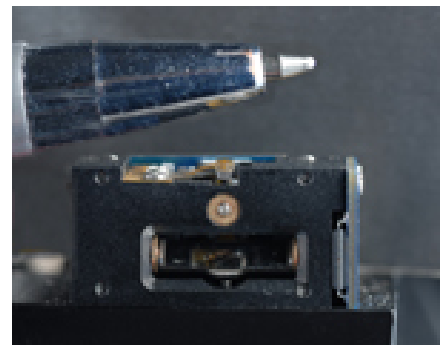
~ Technology Demonstration Micro Beam Steering Solutions

Miniaturize cameras and imaging systems for medical, industrial and commercial applications

We will demonstrate at two-mirror M3 Smart Module solution for laser beam steering.

This module uses two UTAF™ piezo motors to move two orthogonal mirrors independently of each other. It enables laser beam steering over a +/- 40 degree field, similar to the motion used in a galvo.

However, the M3 module is significantly smaller than a galvo, needs no separate controller, uses less than 0.9 W while moving, and holds mirror position in sleep mode to further minimize power consumption.



Learn More

- [Get M3-R rotary module information](#)
- [Request a technical bulletin \(available after Photonics West\)](#)

~ Product Demonstration M3-L Linear Actuator

The M3-L Linear Actuator is a simple piezoelectric actuator with built-in controller for closed-loop positioning. It has 6 mm travel, 0.5 micrometer resolution, and 3.3 V input.

The actuator has push and pull tips to move your translation stage, lever or other object. (If you prefer to skip the hard work of building and integrating a precision micro stage, consider the M3-LS Linear Stage instead!)

M3-L applications include laser beam steering for targeting and medical applications, as well as photonics tuning and high-powered RF and microwave tuning.



Learn More

- [Get M3-L specifications, data sheet and drawings](#)

Buy a Developer's Kit

- [Shop at Digi-Key](#) | [Shop at Mouser](#)

~ Upcoming Events
See us at SPIE BioS / Photonics West

SPIE. PHOTONICS
WEST
BIOS

BiOS Expo | Feb. 7-8
New Scale booth #8427 [Find us on the floor map](#)

SPIE Photonics West | Feb. 10-12
New Scale booth #630 [Find us on the floor map](#)

Moscone Center, San Francisco, CA USA

- [Learn more or register for SPIE Photonics West and BiOS Expo](#)
- [Email us](#) if you'd like to arrange a private meeting or demo

~ Contact us

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