



NEW OEM driver, shown with Q-522 multi-axis miniature positioning stage
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PI PRESS RELEASE

OEM Driver for Miniature Positioning Systems is Small and Affordable

Inexpensive, versatile, compact: PI's E-872 stick-slip motor driver has it all for OEM applications.

March 2017, Auburn, MA – PI (Physik Instrumente) LP, known industry-wide for precision motion components, systems, and solutions, announces a new OEM driver for miniaturized piezo inertia positioning stages. Applications include precision opto-mechanical alignment, bio-medical instrumentation, photonics alignment automation, microscopy, micro-manipulation.

Easy Controls, Full / Microstep Variations

The new E-872 driver is designed to complement the size of the ultra-compact inertia motor positioners it manages. Control is simple with step and direction input via TTL signals. The high 20kHz full step frequency delivers fast response. A version with 256 micro steps allow for extremely smooth motion with nanometer resolution. With its low current consumption and affordable price, the E-872 won't drain your power source or your budget.

OEM Solutions

With a long track record of working with OEMs in the most demanding industries from Semiconductor Technology to Medical Design – industries where product performance, quality, and the ability to ramp up, are critical, PI offers a quick path to a solution based on 1,000s of COTS products or a fully customized design. See examples of PI's OEM capabilities here:

http://www.pi-usa.us/OEM_products/OEM-Products_for_Motion-Positioning.php

Specifications, Datasheet, More Information

http://www.pi-usa.us/products/Motor_Controllers/Motor_Controller_Precision_Positioner.php#E872



Video: Operating Principle of Piezo Inertia Motors

<https://www.youtube.com/embed/zVNYxsudul0?rel=0>

Standard and Custom

PI provides in-house engineered solutions with over 4 decades of experience delivering products that exceed expectations and application demands of our customers. PI can quickly modify existing product designs or provide a fully customized OEM part to fit the exact requirements of the application.

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About PI

PI is a leading manufacturer of precision motion control equipment, piezo motors, air bearing stages and hexapod parallel-kinematics for semiconductor applications, photonics, bio-nano-technology and medical engineering. PI has been developing and manufacturing standard & custom precision products with piezoceramic and electromagnetic drives for 4 decades. The company has been ISO 9001 certified since 1994 and provides innovative, high-quality solutions for OEM and research. PI is present worldwide with fifteen subsidiaries, R&D / engineering on 3 continents, and over 1,000 employees.

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