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PRESS RELEASE

Robust Actuators for High Loads

The robust precision actuators of the M-238 line are ideally suited for industrial applications that require positioning of heavy loads with high accuracy and reliability. The DC-Mike drives from PI (Physik Instrumente) with the powerful ActiveDrive™ DC-Motor/gearbox move even loads as high as 400 N over a 50 mm travel range at a speed of 30 mm/s. Highest positioning accuracy and repeatability is attained with optical linear encoders, which provide a minimal incremental motion of only 0.3 µm. Reliable high-duty-cycle operation in industrial environments is assured by the maintenance-free, low-friction ballscrew. Non-contact reference and limit switches support simple and easy automation and provide for high operational safety.

The M-238 drive uses a powerful DC-Motor with gearbox and ActiveDrive™ technology. In it, a PWM amplifier is installed in the same housing, offering high efficiency in a compact format.

M-238s are easily commanded by the palm-top C-862 Mercury™ servo-controllers or the C-843 servo-controller in PCI board format, even in multi-axis applications.

PI, a global market leader in the field of micro- and nanopositioning technology, has been developing and manufacturing standard, custom and OEM products with piezoelectric and motor drives for over 35 years. In addition to its three manufacturing centers in Germany, PI is present worldwide with eight subsidiaries and total staff of more than 400.

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PI is a World-Leading Supplier of Nanopositioning Motion Control Systems and Piezo Actuators. ISO9001

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