

# News Release

## **PBC Linear's New Line of Linear Actuators Excelling in Multiple Industries**

**December 9, 2008 Rockford, IL - - -** A year after being introduced, PBC Linear's new line of Linear Actuator Technology (LAT) has been successfully implemented in several different industries worldwide. From medical and clean room applications to food processing and packaging—PBC Linear's actuator line can be used to lower production time and costs virtually everywhere linear motion is applied. Simultaneously milled using PBC Linear's patent-pending SIMO technology, these actuators offer consistent high precision at no added cost!

Sealed against contamination, the PL and MT series actuators can be utilized in a wide array of environments. Recently, both actuator designs have been used heavily in several different clean room applications. The PL series ball-screw driven linear actuator has been integrated with newly available Integral V™ Technology (IVT) to provide accurate linear motion for both digital imagers and printers. With this new combination of LAT and IVT, PBC Linear has been able to promote a low cost solution to high precision.

Assembled in an XYZ gantry, the MT series belt-driven linear actuator found success in lab equipment. Used as a high precision pick and place machine, this gantry greatly reduced the time for medical testing and diagnosis. As a result of the MT series self-contained system design and flush mounting capabilities, this linear actuator has been successful in many industries. Other applications of how the diverse MT series has been utilized include a lifting system for high load capacity boxes, a horizontally installed precision glue gun, and CNC milling systems.

Newly added to the LAT family is the MLA mini-actuator. Its lightweight design, unique one piece carriage, and t-slots make installation a breeze. Created for compact spaces, the MLA actuator



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comes available with precise positioning, allowing for fast and accurate linear motion. Able to carry heavier loads at higher speeds than the competition, the MLA actuator is designed to be the go-to solution for compact linear motion. Available with a wide variety of optional mounting components and two profile rails, the MLA actuator is a solution to several different applications.



Each actuator in the LAT family will be precision machined with PBC Linear's newly developed SIMO (Simultaneous Integrated Milling Operation) machine. This process provides PBC Linear products with a synchronized, concurrently milled qualified edge for guaranteed surface quality and sizes within 0.001"—making PBC Linear more accurate by leaps and bounds over the competition.

For more information on PBC Linear's new line of Linear Actuator Technology (LAT), please call 1.800.729.9085, email to [marketing@pacific-bearing.com](mailto:marketing@pacific-bearing.com), or visit us at [lat.pbclinear.com](http://lat.pbclinear.com).



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