



# PressRelease

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**For Immediate Release**

## **Galil Introduces Enhanced Firmware for its PCI and Ethernet Motion Controllers**

*Provides Ramp-to-Gearing and Position Tracking*

Rocklin, CA—July 7, 2004—Galil Motion Control, the industry innovator in motion control, now offers enhanced firmware for its series of Optima and DMC-21x3 motion controllers. The firmware provides two new motion commands that allow ramp-to-gearing in the electronic gearing mode, and incorporates an additional mode of motion for position tracking.

The firmware's new GD-gear engagement distance and GP-gear phasing correction commands are used when the controller is engaged in the electronic gearing mode to help ensure smooth gear transitions by preventing any abrupt changes whenever the gear ratio is changed. "During electronic gearing, it often is desirable for the slave axis to gradually ramp up to the new gear setting to reduce vibrations," explains Lisa Wade, VP-Marketing and Sales, Galil. "The enhanced gearing mode also corrects for the position error that accumulates during the gradual engagement period and keeps the master and slave synchronized."

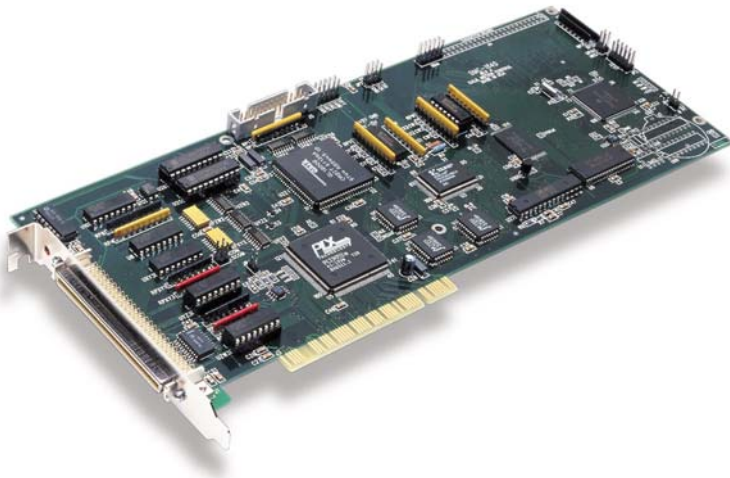
Galil's new firmware also provides a Position Tracking Mode which allows for an axis to precisely follow a randomly generated position target. In this mode, a new absolute position can be specified even if the axis is already in motion.

The enhanced firmware is available for Galil's DMC-21x3 Ethernet and DMC-18xx PCI controllers, and Galil's ISA, PC/104, cPCI, and VME controllers.

For specific information about Galil's Enhanced Firmware or any of their motion controllers and amplifier boards, contact Lisa Wade, VP-Marketing and Sales, at Galil Motion Control, Inc., 3750 Atherton Road, Rocklin, CA 95765, 800-377-6329, [lisaw@galilmc.com](mailto:lisaw@galilmc.com), Ph. 916-626-0101, Fax 916-626-0102, [www.galilmc.com](http://www.galilmc.com).

**About Galil Motion Control, Inc.**

Privately held and profitable for over 80 consecutive quarters, Galil Motion Control, Inc. was founded in 1983 by Jacob Tal and Wayne Baron. Galil became the first company to produce a microprocessor-based servo motor controller without tachometer feedback. Since then, Galil has continued to advance motion control technology and has found industry-leading acceptance with over 350,000 controllers successfully installed worldwide. Various applications include machines for the medical, semiconductor, machine tool, food processing, and textile industries. Recently, Galil has introduced several motion controllers for the Ethernet, as well as a variety of servo amplifier boards.



Galil's new enhanced firmware is designed for its PCI (DMC-18x0 shown) and Ethernet motion controllers.