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FOR IMMEDIATE RELEASE

GALIL MOTION CONTROL ANNOUNCES NEW COMPACT PCI BUS CONTROLLER

MOUNTAIN VIEW, Calif., March 2, 1998 — Galil Motion Control Inc., pioneer and leader of digital motion control technology, today announced their new DMC-1600 Series of Compact PCI Bus motion control cards. The new Compact PCI Bus controllers use the rugged Eurocard chassis, which provides speed, ease of use, and 'plug and play' installation. Designed for optimum flexibility, each card provides up to four axes of motion control and can be used with step motors, servo motors and hydraulics on any combination of axes.

The DMC-1600 features many enhancements, including 80 user-configurable inputs and outputs, non-volatile program memory with multitasking of up to eight programs, high-speed communications and on-board sinusoidal commutation for brushless motors. The Compact PCI Bus Controller provides dual high-speed FIFOs for sending and receiving commands and a secondary FIFO for instant access to status and parameters.

In addition, the DMC-1600 provides high-speed servo update rates with sample rates as low as 62.5 microseconds per axis and control of up to 12 million encoder counts/sec and step motor control of up to three million steps per second. Modes of motion include point-to-point positioning, linear and circular interpolation, contouring, gearing and ecam. Programmable acceleration and deceleration with profile smoothing eliminates 'jerk'. Also, the controller provides continuous vector feed of an infinite number of linear and arc segments to ensure smooth following of complex contours.

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Superior precision is achieved with a 16-bit motor command output DAC and a sophisticated PID filter featuring K_p , K_i , K_d , velocity and acceleration feedforward and integration limits. A 2M Flash EEPROM provides plenty of non-volatile memory for storing application programs, parameters, arrays and firmware. Any revision or upgrade to the firmware is easily handled in the field and without having to remove the controller from the system.

These 'plug and play' compact PCI bus controllers enable easy set-up and accept either Binary or ASCII commands. Additional software is available to autotune, view trajectories on a PC screen, translate AutoCAD files into motion and create powerful, application-specific operator interfaces with Visual Basic. Drivers for DOS, Windows 3.1, 95 and NT are available.

Pricing and Availability

Pricing for the DMC-1600 Series of Compact PCI Bus motion controllers starts at \$995 for 1-axis, \$1075 for 2-axis, \$1185 for 3-axis, and \$1245 for 4-axis (prices per 100 quantity). A DMC-1600 starter kit is available for \$100 off the normal price. Shipment is set for immediate delivery, call Galil tollfree at 800-377-6329 for details.

About Galil

Founded in 1983, Galil Motion Control, Inc., is a privately held company with a sales volume of over 25 million in 1997 and has been profitable for 50 consecutive quarters. Today, Galil has become an industry leader in programming and producing motion controllers and has over 200,000 motion controllers at work in such applications as machine tools, manufacturing, medical equipment, aerospace, materials handling, semiconductor manufacturing and testing, food processing, textiles and a wide-range of test and measurement equipment.

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**For more information, contact Galil Motion Control
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