



GE Fanuc  
Automation

## **PRESS RELEASE**

### GE Fanuc Announces Power Mate i Pressure and Position Controller

#### **CNC Control That Can Be Programmed By Pressure and Position Commands**

CHARLOTTESVILLE, VA, JULY 20, 2007 GE Fanuc Automation, a unit of GE Industrial, today announced the availability of its new Power Mate i – Model H Pressure and Position Controller, offering industrial motion control of position and pressure commands. The controller provides a new function for Power Mate i-H, an 8-axis positioning CNC suitable for controlling general industrial machines. The newly developed Pressure and Position Control function enables the best operation by combining position control and highly accurate pressure control, which uses feedback from pressure sensor.

“The pressure and position control function enables a positional control command and pressure control command to be specified at the same time,” said Paul Webster, CNC Product Manager for GE Fanuc Automation. “This function is useful for performing press-fitting of pins, die-cushion of a servo press or bending of sheet metal by highly-accurate pressure and position control.”

The Pressure and Position Controller is an axis control function that automatically selects and executes position control based on a positional control command when no force is applied to the axis, and automatically selects and executes pressure control based on a pressure command when an external force is applied to the axis. For example, the function enables the tool to approach a workpiece in the axis direction by using position control until the tool touches the workpiece. The function can then execute pressure control with a specified pressure while the tool is in contact with the workpiece in the axis direction. When the tool is separated from the workpiece, the function moves the tool to the specified position-by-position control.

“This product provides very precise control,” continued Webster, “but utilizes standard components; no special equipment is needed. And, the control of a servo pressure valve can be done in the CNC, further simplifying operations.”

This product is available now.

#### About GE Fanuc Automation

GE Fanuc Automation Corporation, a joint venture between General Electric (NYSE:GE) and FANUC LTD of Japan, delivers automation hardware and software designed to help users reduce costs, increase efficiency and enhance profitability. With solutions and services for virtually every industrial segment, GE Fanuc Automation provides a diverse array of capabilities and products, including controllers, embedded systems, advanced software, motion control, CNCs, operator

interfaces, industrial computers, and lasers. Headquartered in Charlottesville, VA, GE Fanuc Automation is a part of GE Industrial and combines the diverse global strengths of the GE family with the local presence customers need to design, develop and maintain their automation investments. For more information: [www.gefanuc.com](http://www.gefanuc.com) or: GE Fanuc Information Center, P.O. Box 8106, Charlottesville, VA 22906, (800) GE FANUC (800-433-2682), Fax: 434-978-5205, [gefanuc@gefanuc.com](mailto:gefanuc@gefanuc.com).

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