

## **Press Release**

**Source: Precise Automation, Inc.**

### **Precise Automation Introduces New Low-Cost, Pocket-Sized Vision-Guided Motion Controller**

Los Altos, California - November 12, 2007 - Precise Automation has introduced the Guidance 1400 series, a pocket-sized, extremely low-cost, vision-guided line of multi-axis motion controllers.

The Guidance 1400 is the latest in a series of integrated drive motion controllers from Precise Automation based on a distributed network architecture that allows the controller to be located at the point of use. This multi-axis, robotic motion controller utilizes the same powerful software as Precise's existing lines of Guidance controllers in a pocket-sized package, 44 mm by 83 mm by 133 mm. It is small enough to be placed inside machines, eliminating the need for a separate control cabinet. Each Guidance 1400 contains four motor drivers, encoder input channels, a 700 MIPS processor, digital inputs and outputs, Ethernet, and RS-232 interfaces. It can output motor bus voltages from 24VDC to 48VDC and up to 500 watts of total motor power.

The User Interface is based on a web server that resides in the Guidance 1400, allowing the controller to be accessed from anywhere in the world for easy development, operation, and maintenance. The software includes a complete set of motion commands, machine kinematics, a continuous path motion planner and trajectory generator, a powerful language with motion commands added to the Basic language, Active X and .Net links to Microsoft software, and an optional machine vision package that can execute in a networked PC. The vision software contains measurement tools and a patented object locator that can locate multiple instances of parts in any orientation, even with cluttered backgrounds.

Brian Powell, Precise Automation's Vice President of Sales and Operations stated, "This compact controller significantly reduces costs for lower power applications. Whether used by itself or included as a node in a large multi-axis network, the Guidance 1400 delivers Precise's advanced motion capabilities, broad kinematic library, and integrated vision in a small package at an amazingly low price."

#### **ABOUT PRECISE AUTOMATION**

Precise Automation delivers cutting edge automation technology and leverages years of experience in software, controls, electronic and mechanical design that assists end users and OEM customers to *automate with ease*. Precise's versatile table-top Cartesian robots come fully assembled and are extremely easy to set up. Our low cost vision-guided motion controllers integrate motor drives in a very compact design that fit inside many robot structures. The controller's powerful features allow OEM's to create the applications they want and to produce user-friendly systems. Adding vision guidance simplifies complex problems in locating and identifying parts and significantly improves

process reliability by easily accommodating to dimensional variances. Precise Automation's flexible and innovative products serve a wide variety of industries including: electronics, semiconductor, life science, medical products and mass storage.

**CONTACT**

Stella Kulkarni, (408) 224-2838

Precise Automation

[sales@preciseautomation.com](mailto:sales@preciseautomation.com)

[www.preciseautomation.com](http://www.preciseautomation.com)