

Press Release

Source: Precise Automation, LLC.

Precise Automation Introduces Robot Controller with Vision Guidance at the International Robotics and Vision Show

Los Altos, California – September 23, 2005-- Precise Automation will be introducing the Guidance 3400, an extremely compact and low-cost motion controller with optional machine vision, at the International Robotics and Vision Show, co-located with the ATE expo in Chicago, Illinois on Tuesday, Sept 27, 2005. Precise will be exhibiting in booth 1530.

The Guidance 3400 is the first in a series of motion controllers from Precise Automation based on a distributed network architecture that allows the controller to be located at the point of use. The Guidance 3400 controls 4 axes of motion and contains 4 motor drivers, 8 encoder input channels, a 700 MIPS processor, digital and analog inputs and outputs, and Ethernet, DeviceNet, and RS-232 interfaces. It can produce up to 2,000 watts of motor power in a package 180mm long by 70mm wide by 70mm high. It is small enough to be placed inside machines, eliminating the need for a separate control cabinet.

The User Interface is based on a web server which resides in the Guidance 3400, 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 Visual Basic syntax, Active X and .Net links to Microsoft software, and an optional machine vision package that can execute in the Guidance 3400, or remotely in a networked PC. The vision software contains measurement tools and a patented object locator that can locate parts in any orientation, even with cluttered backgrounds.

Precise Automation was founded in January 2004 by Mr. Brian Carlisle and Dr. Bruce Shimano, the founders of Adept Technology Inc. Mr. Carlisle stated, "Dr. Shimano and I believe that motion control combined with machine vision in a compact, easy-to-use package, will allow machine designers to build much lower cost machines that employ sensing, instead of absolute precision, to achieve very high performance. We believe the Guidance 3400 represents a breakthrough in price, functionality, performance, and packaging in machine control."

Precise Automation designs and sells compact, low-cost, high performance vision-guided robotic motion controllers with integrated motor drives and Cartesian Robots for the electronics, semiconductor, and life sciences industries, medical products, mass storage, and automation industries. Precise partners with OEM's in the design, manufacturing, integration, and distribution of these products.

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