

Press Release

Source: Precise Automation, LLC.

Precise Automation Introduces Four-Axis Cartesian Robot with Vision Guidance at the International Robotics and Vision Show

Los Altos, California – September 23, 2005-- Precise Automation will be introducing the PrecisePlace 1400c Cartesian Robot, a low-cost, high-performance robot at the International Robotics and Vision Show, co-located with the ATEexpo in Chicago, Illinois on Tuesday, Sept 27, 2005. Precise will be exhibiting in booth 1530.

The PrecisePlace series of Cartesian robots handle a 1 Kg payload and are scalable to manage a work area of up to 400mm by 2000mm. They feature a zero-backlash drive system using brushless DC motors for very quiet and smooth operation. They are available in three or four axis configurations, and have been designed for high reliability and zero maintenance.

An extremely powerful controller, the Precise Automation Guidance 3400, is located inside the robot. It 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.

The User Interface is based on a web server which resides in the Guidance 3400 allowing the robot to be accessed from anywhere in the world for easy development, operation, and maintenance. The software includes a complete set of motion commands, 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 enables the robot to locate and pickup parts in any orientation and automatically adjust placement locations, 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, "The PrecisePlace series of robots offer premium robot features at a bargain price. We believe it will be ideally suited for both simple and more demanding applications where cost is an important consideration."

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, life sciences, 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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