

Press Release

Source: Precise Automation, Inc.

Precise Automation To Introduce The First Full Family Of Intrinsically Safe Collaborative Robots At Automate 2015

Fremont, California – March 2, 2015 - Precise Automation will introduce the first full family of intrinsically safe benchtop collaborative robots March 23 – 26 at Automate 2015, booth 281 in Chicago, IL (<http://www.automateshow.com/>). Designed from the ground up with the collaborative user in mind, these robots represent a new generation of automation specifically optimized for safe, benchtop use without requiring large expensive safety barriers that impede productivity. Available in SCARA, 6-axis Articulated and Cartesian configurations, these mechanisms will not injure a user or other equipment even if there are accidental full speed collisions. This allows these robots to be deployed in applications that could never be automated before.

All Precise robots feature their motion controller, harnesses and power supplies embedded within their structure. Combined with these collaborative robots' ability to be used without safety shielding, this unique design greatly reduces the cost and space requirements in automated workcells. Operators can also access these cells even while the robot is in motion, greatly increasing productivity. These novel features permit the development of new cost saving workcell designs in traditional robot applications as well as the creation of new, never before automated non-traditional robot applications.

All Precise Automation mechanisms feature the powerful embedded Precise Guidance Motion Controller. This controller offers gravity balanced free mode teaching aids and excellent capabilities for automatically generating elegant and reliable motion sequences. Its features permit the mechanism's end effector to move along smooth, straight line paths or arbitrarily complex motion sequences by simply moving the robot by hand to start and end positions and letting the controller handle the rest. Combined with a simple, yet powerful programming language, Ethernet interface (featuring PC control via an open source TCP/IP Command Server), kinematics for Cartesian motions, an embedded web server that permits the robot to be operated locally via a standard browser executed on a PC, a wireless tablet or remotely from anywhere in the world, these robots simplify programming and reduces cycle times with the most efficient motions possible. When machine vision is needed, Precise Vision can easily be added to these robots as an option.

Brian Powell, Vice President of Sales and Operations, states, "Unlike most other collaborative robots, which are intrinsically dangerous mechanisms operating in a collaborative mode, Precise's new family of robots are specifically designed for benchtop, collaborative applications. Our mechanisms are intrinsically safe in all operation modes and are currently being used without safety shields in a variety of applications around the world, including consumer electronics manufacturing, life sciences and pharmaceutical testing and small parts handling and assembly. Precise's full family of SCARA, Articulated and Cartesian desktop robots has us uniquely positioned to service a new generation of collaborative users."

ABOUT PRECISE AUTOMATION INC.

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 robots and sample handlers come fully assembled and are extremely easy to set up. Our revolutionary line of intrinsically safe collaborative robots (which include SCARA, 6-axis and Cartesian configurations) are designed specifically to meet the needs of a new generation of desktop automation users. Our low-cost vision-guided motion controllers integrate motor drives in a very compact design that fit inside many mechanisms' 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.

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