

Press Release

Source: **Precise Automation, Inc.**

Precise Automation introduces the World's Only Collaborative Cartesian, the PP100 Industrial Collaborative Cartesian Robot

Fremont, California – September 21, 2017 - Precise Automation has introduced the PP100 Industrial Collaborative Cartesian Robot. As the world's only collaborative Cartesian robot, the PP100's unique mechanical design offers a lower price than most collaborative robots and reduces the overall costs of table top applications. This lightweight robot is available with 2-axes (XZ) or 3-axes (XYZ) and an optional Theta and Servo Gripper. It can be carried by one person, mounted on a table and, by plugging in just an AC power cord and an Ethernet cable, is ready to operate. The controller, power supplies and harnessing are embedded within the robot's structure, simplifying installations and allowing the PP100 to be mounted above existing work areas and equipment such as conveyor belts. The collaborative Cartesian design allows for extremely small, cost saving workcells that have minimal impact on existing production.

Collaborative robots permit the creation of a mixed manufacturing environment where people can enter and efficiently work around robots without the loss of throughput. The PP100's unique combination of speed and safety allows its operation at full speed and delivers industrial throughput at safe ISO standard collaborative forces, so operators can move freely around the robot without concerns for their safety or loss of productivity.

The PP100's simple Cartesian geometry is particularly easy for new users to teach, since any position and move combination is intuitive and possible. In addition, many collaborative robots use a programming environment with limited features to simplify setup for new users. Precise Automation's collaborative robots offer the flexibility of both an easy to use web based interface as well as an optional advanced programming environment as capable as any industrial robot. The easy to use Guidance Motion interface is accessible from any web enabled device and allows technicians or operators to quickly and easily setup and teach the PP100 to perform real work.

Brian Carlisle, CEO of Precise Automation, states, "Until now, the collaborative robot market has been dominated by 6-axis articulated robots. These robots have complex geometries that create large workcells with significant dead space and make it difficult to teach positions. The simple Cartesian geometry of the PP100 is ideal for simple applications, and for adding process modules such as screwdrivers or dispense heads, and for mounting above equipment like conveyor belts. The integrated controls and ability to bridge conveyors allows this robot to be installed in many applications without taking up valuable floor space. Precise's full line of industrial collaborative robots (SCARA, Cartesian, 6-axis) allows users to choose the right configuration for their application rather than trying to make a 6-axis robot fit into every workcell."

ABOUT PRECISE AUTOMATION INC.

Precise Automation leverages years of experience in software, controls, electronic and mechanical design that began with the development of the PUMA robot, continued through the founding and growth of Adept Technology and continues with the production of a revolutionary line of industrial collaborative robots. These robots provide users with all the benefits of collaborative robots (user friendly software, shorter ROI, safe to use around people) while still providing performance, price, and features comparable to traditional industrial robotics. They produce fast cycle times that permit them to easily keep pace with human coworkers while still exerting forces that fall within the collaborative guidelines, even while running at full speed. These mechanisms are lightweight and easy to set-up and do not have to slow down when users enter the workcell. In addition, Precise's collaborative robots offer the flexibility of both an easy to use web based interface as well as an optional advanced programming environment as capable as any industrial robot.

CONTACT

Precise Automation
408-224-2838
sales@preciseautomation.com
www.preciseautomation.com