

Press Release

Source: **Precise Automation, Inc.**

Precise Automation introduces the World's Safest/Fastest Robot, the PF3400 Industrial Collaborative SCARA Robot

Fremont, California – August 29, 2017 - Precise Automation has introduced the PF3400 Industrial Collaborative SCARA Robot. Its inherently safe design allows the PF3400 to achieve speeds and accelerations much faster than any other collaborative robot while still limiting forces to ISO collaborative robot standards, making the PF3400 the world's fastest/safest robot. This distinctive SCARA design can perform the industry standard pick-and-place cycle time test in 1.4 sec, only slightly slower than many non-collaborative industrial robots and comparable to human operators. Even at the fastest speeds, the PF3400 limits free space collision forces to under 100N and rigid collisions to under 150N.

Collaborative robots enable the creation of a mixed manufacturing environment where people can efficiently work around robots without the loss of throughput. The PF3400's unique combination of speed/safety allows it to operate at full speed and deliver industrial throughput in applications where operators can move freely around the robot without concerns for their safety or impacting production.

In addition to offering a competitive price comparable to non-collaborative robots, the PF3400's unique mechanical design is optimized for collaborative table top applications. This lightweight robot 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, eliminating external controller cabinets and simplifying installations. Due to its novel configuration, the PF3400 can work in cells with very compact foot prints while providing the extraordinary vertical reach of up to 1.2M.

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 PF3400 to perform real work.

Brian Carlisle, CEO of Precise Automation, states, "Our new generation of industrial collaborative robots bridges the gap between the ease of use and fast ROI of collaborative robots and the features and performance of industrial robots. The PF3400's revolutionary combination of speed, performance, capabilities and ease-of-use makes it possible to address applications where automation was not formerly practical while at the same time creating new opportunities in traditional automation environments."

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.

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