## **PRESS RELEASE**

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CONTACT:

Sally Fairchild   
Sr. Mgr., Marketing

937.847.3202

**ArcWorld IV-6200SL Slim Line Features the Latest in Robot and Part Positioner Technology**

**Dayton, OH (September 2016)** — The ArcWorld® IV-6200SL Slim-Line solution features dual MA1440 arc welding robots with the DX200 controller, a high-speed ferris wheel positioner, integrated welding package, operator interface and a total safety environment. The Slim-Line positioner reduces floorspace requirements because the width of the positioner/workcell is only one meter wider than the fixture span. Safeguarding on the workcell has been designed to take advantage of the Functional Safety Unit (FSU) in the DX200 robot controller to provide control-reliable safety in accordance with the latest release of the Robot Safety Standard (ANSI/RIA R15.06-2012).

**RM2-755SL and RM2-1255SL Slim-Line Ferris Wheel Part Positioners**

The RM2-755SL and RM2-1255SL positioners feature the fastest indexing time in their class. The 755 kg payload version indexes in 2.25 seconds; the 1,255 kg payload version indexes in 3.25 seconds.

Because the positioner can be serviced from the front of the workcell, additional space can be saved by placing cells next to each other without aisles. These positioners are available in standard lengths of 2.0 and 3.0 meters between mounting surfaces and can easily be extended. They provide a turning diameter of 1.3 meters (51.2”) to accommodate large parts and tooling.

The RM2 Slim-Line positioners utilize independent servo motor drives on each of the three axes for high-speed positioning. This reduces cycle times by allowing fixtures to rotate into working position while the main sweep axis indexes between stations. Application flexibility is also a benefit because the load station can be programmed to a more ergonomic orientation. The operator can also jog the load station if manual tack welding is required.

The positioners utilize the MotoMount™ fixture mounting system. This patented design provides a flexible pivot to eliminate bearing stresses from fixture mis-alignment or unlevel floors and extends the life of the drives. MotoMount also provides a horizontal mounting surface with locating pins for easier fixture changeover.

**ArcWorld IV-6000SL Series Options**

The workcell is available with Yaskawa Motoman’s leading multiple robot control technology. One to three welding robots can be incorporated into the cell and controlled from a single teach pendant. The MA2010 extended-reach robot can be used in place of the MA1440 to reach longer part spans. The 7-axis VA1400 II robot can also be substituted for the MA1440 to improve torch access into tight spaces or to reach around both sides of a part.

ArcWorld is available with an optional nozzle cleaner and/or automatic tip checking devices such as ToolSight®. ToolSight is designed to automatically check the robot’s Tool Center Point (TCP) and calculate tool offsets to correct the TCP if necessary during production.

A PC-based Human Machine Interface (HMI) is available to show cell and production related data. The HMI provides local control for memory backup and displays diagnostic data in an easy-to-read format on a color touch screen. Cell I/O and uptime data is presented graphically. Screens are also provided to allow operators to edit weld positions. It has a high resolution 15-inch LCD touch screen and is designed to be used in an industrial environment.

# About Yaskawa Motoman

Founded in 1989, the Motoman Robotics Division of Yaskawa America, Inc. is a leading robotics company in the Americas. With over 300,000 Motoman® robots installed globally, Yaskawa provides automation products and solutions for virtually every industry and robotic application; including arc welding, assembly, coating, dispensing, material handling, material cutting, material removal, packaging, palletizing and spot welding. For more informationplease visit our website at [www.motoman.com](http://www.motoman.com) or call 937.847.6200.

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