

MOTOMAN NEWS RELEASE

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NEW! ARCWORLD IV-6200SL "SLIM LINE" SOLUTION PROVIDES HYPERPRODUCTIVITY® IN A COMPACT FOOTPRINT



Dayton, Ohio — The ArcWorld® IV-6200SL "slim line" solution features dual MA1400 "Master Arc" welding robots with multiple robot control, a high-speed trunnion positioner, integrated welding package, operator interface and a total safety environment. Independent drive on each of the three positioner axes

enables the operator to index the load station or allows both stations to turn while the positioner sweeps, saving cycle time.

MRM2-250M3XSL and MRM2-750M3XSL "SLIM LINE" TRUNNION PART POSITIONERS

The MRM2-250M3XSL and MRM2-750M3XSL positioners feature the fastest indexing time in their class. They are available with 250 kg (551.3 lb) or 750 kg (1,653.8 lb) payloads. The 250 kg payload version indexes in 1.75 seconds; the 750 kg payload version indexes in 2.5 seconds.

The slim line positioner, a redesign of an existing positioner, reduces floorspace. The width of the positioner/workcell is only 1 meter wider than the fixture span. 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, but can easily be extended. They provide a turning diameter of 1.3 meters (51.2") to accommodate large parts and tooling.

The MRM2-250M3XSL and MRM2-750M3XSL 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 eliminates stresses from poor fixture alignment from being transferred into the bearings or servo 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 Motoman's leading multiple robot control technology. Two, three or even four welding robots can be incorporated into the cell and controlled from a single teach pendant.

The ArcWorld workcell is available with an optional nozzle cleaner. It can also be combined with automatic tip checking devices such as ToolSight® or ToolSight6D. ToolSight is designed to automatically detect variation in wire position (TCP) before parts are produced.

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.

For more information on Motoman products and services, visit the corporate website at www.motoman.com or call 937.847.6200.

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