

# NEWS RELEASE

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## New ServoWeld™ Plus Spin Welder

Dukane, St. Charles, IL, introduces the next generation of spin welders, the **ServoWeld™ Plus** with **Melt-Match®** technology. An all-electric press system using two servomotors to provide precise control and accuracy, for welding plastic assemblies with circular weld joints. By utilizing state of the art servo controls, this equipment provides unmatched angular orientation and overall assembly height consistency. It features a technologically advanced, touch-enabled HMI with an intuitive menu structure to control and monitor the welding process. The spin axis has an orientation resolution of 0.1 degree, while the vertical axis has a positioning resolution of 0.01 mm (0.0004 in.) and a force capacity of 2000 N (450 lb.).

The welder provides a number of different control methods for each phase of the joining cycle to facilitate operation for a wide variety of applications. Weld initiation methods include spin torque, vertical position and an external signal. Weld termination methods include distance (part collapse), vertical position, energy and peak spin torque.

Post-weld methods include dynamic hold, static hold or a combination of both. In addition, Melt-Match® mode can be enabled during the weld phase, in which the motion of the vertical axis is coordinated with that of the spin axis to match the rate of melt of the material being welded.

Featuring an integral 175 mm, high-resolution color touch screen interface with an intuitive menu structure, the welder provides onboard storage of 64 setup recipes, programmable upper and lower limits for advanced process control, password protection, multiple menu languages, and weld performance data. Import/export functionality is available for setups and weld data via a USB port.



**New ServoWeld™ Plus Spin**

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The welder is configurable for operation in manual or automated manufacturing environments. It contains built-in support for fixture clamps, part presence sensors, remote operation with setup switching, and light curtains, which eliminates the need for an external PLC and HMI in semi-automated work cells.

This equipment is suitable for assembling plastic parts in various industries, including automotive and consumer goods.

Dukane offers a full range of [ultrasonic](#), [vibration](#), [spin](#), [laser](#) and [hot plate welders](#), [thermal presses](#), probes, tooling and software for both OEM and the commercial plastic assembly markets. Dukane is an ISO 9001:2008 certified manufacturer with 24/7 Service. For more information, contact Jason Barton, National Sales and Marketing Manager, Dukane IAS, LLC, 2900 Dukane Drive, St Charles, IL 60174, phone number +1 630-797-4902. Or visit their web site [www.dukane.com/us](http://www.dukane.com/us).

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