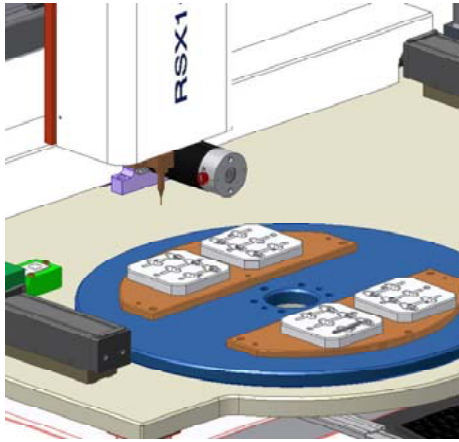


Introducing the RSX100 Series Resistance Spot Welding Machine

Finally, an automated platform for medium volume micro/mini resistance spot welding applications in the medical device, aerospace and electronics industries.



Go online today to download
the complete, 7 page
brochure!

■ Features

■ Benefits

- Fully automatic micro/mini resistance spot welding platform
 - Performs batch, parallel or series welds on multiple parts
 - No operator intervention required to keep RSW process in control
 - Shorter lead time and lower price when compared to a System Integrator solution
- Simultaneously weld multiple parts while operator loads/unloads machine
 - Double or even quadruple throughput compared to stand-alone bench top system
 - Cut floor space, cut number of weld units and cut RSW direct labor costs by up to 50%
- Complete electronic record retention enables Six Sigma Quality
 - Easily integrate with your MES or quality control (SPC) system
 - Analyze weld data and view reports and graphs on any PC with a browser
- Flexible platform configured to your product requirements
 - Customize tooling, part fixturing, and electrodes to meet specific requirements
 - We integrate all late model weld controllers that support serial, USB or Ethernet communications

RSX Series

RSX Series Feature Matrix	RSX25/26	RSX50	RSX100	RSX200
WeldWorks™ Software Suite*				
Intuitive Windows based software for easy machine operation	●	●	●	●
Complete process control – Six Sigma Quality	●	●	●	●
Electronic records, data storage, web reports and on-line analysis	●	●	●	●
RSX Series™ Hardware				
Machine configuration	tabletop	tabletop	frame	frame
Automatic electrode tip redressing for consistent welds (std. option)	○	●	●	●
Retrofitable weld power supply/controls – preserve investment	●	●	●	●
Flexible and reconfigurable via fixtures, jigs, etc.	●	●	●	●
Weld heads – parallel gap, opposed electrode, seam, pincher	●	●	●	●
Precise and repeatable weld head positioning (work axes)	○	X-Y-Z gantry	X-Y-Z gantry	X-Y-Z gantry
Vision assisted feature finding	◐	◐	●	●
Part handling	○	○	◐	●
Production volume & approximate throughput (parts/hour)	25-100	50-200	100-400	350-700
Auxiliary Operations (e.g. press, test, visual inspection station)	○	○	●	●

○ Not applicable ◐ Partially fulfilled feature ● Fully available feature

*The WeldWorks Software Suite can be purchased and run on stand-alone weld controllers or weld benches that do not use RSX series hardware. Please contact techMatrix LLC sales for more details.



About Us:

Founded in spring 2005, techMatrix LLC is a dynamic, growth stage company dedicated to designing, building, and assembling both custom and standard PC based automation equipment for high technology companies.

Our personnel have decades of experience developing semi-automated to fully automated machines that integrate motion control, vision, data acquisition, and measurement devices to solve real world manufacturing problems.

A cornerstone to our approach is to develop powerful, user friendly, and extensible software that leverages process data by integrating it into your quality control or manufacturing execution system (MES). We specialize in the use of Microsoft based technologies to implement all our software code for Windows, web and database applications.



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