



WeldComputer

The Technology Leader in Resistance Welding

RESISTANCE WELDING

“ CAN THE CONTROL I CHOOSE AFFECT THE QUALITY OF MY WELDS? ”

If you perform spot, projection, seam, flash, butt or any type of resistance welding, the answer is a resounding “yes.”

A bad weld can cost you a shipment, a contract – even, possibly, your business. So it's vital to stop bad welds from passing through your production line undetected. That requires superior control...and superior control is what WeldComputer is all about. Our controllers deliver better consistency and more reliability than the competition, allowing you to eliminate variability and make a higher quality product, with fewer failures. Add monitoring and/or adaptive control, and you get the ability to automatically produce high-precision resistance welds and validate the integrity of each. This improves quality, cuts production costs and virtually eliminates the possibility of bad welds passing through production undetected.

Simply the Best Control You Can Buy.

WeldComputer® controls and process monitoring systems retrofit to any new or existing machine. Our proprietary technology can work with any resistance welding process and interface to any type of resistance welding machine, with any type of welding transformer: AC or MFDC, Three Phase Full Wave, Three Phase Half-Wave, or Frequency Converter.

Our cost-effective technology can perform on-line machine diagnostics before, during and after each weld, checking for surface contamination, metal variations and other problems that can affect weld quality, then compensating for these variations on a millisecond-by-millisecond basis.

Historically, companies have had to rely on destructive testing, which only provides information about the weld you destroyed, not the thousands that you didn't. It doesn't protect you from random bad welds passing through production undetected. It doesn't improve the quality of the welds you produce. And it doesn't allow you to prevent bad welds from occurring in the first place.

In contrast, WeldComputer offers an adaptive solution that adjusts

automatically to the exact conditions of each and every weld, allowing you to increase your throughput and decrease your costs.

The Right Controller for Your Needs.

The WeldComputer® product line addresses every aspect of control. Our baseline controllers give you the most accurate and reliable control possible, allowing you to increase consistency and reduce the number of problem welds. Adding monitoring capabilities can reduce your reliance on destructive testing, while increasing quality assurance by preventing undetected problem welds from passing through production. Adaptive controls offer the ultimate benefit. This practical solution reduces the affects of variables (such as inconsistencies of the parts being welded, the machine being used and other factors) by compensating for the variations as each weld takes place. This increases the consistency of the welds, reduces the number of bad welds, and, when it is impossible to correct or compensate for the problem, immediately notifies the operator.

WeldComputer's modular product structure allows you to create the exact system to suit your needs,



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without paying extra for what you don't need, or restricting your access to more advanced technology down the road. *In this way, control equipment can be configured for just about any application, without the cost commonly associated with custom solutions.*

When you factor in the operational life of WeldComputer® products (historically, more than 20 years with upgrades), you quickly see that we offer not only the best, but also the least expensive control solution in the marketplace. This adds up to a superior ROI as well as enhanced productivity and customer satisfaction.

If you need assistance defining your needs, we are here to help.

If you want, WeldComputer can offer consultative services to help ensure the highest and most repeatable quality, and improved performance and uptime. We also follow up post-sale, helping you train and provide ongoing technical support as needed.

Call (800) 553-WELD (9353) today to ensure that every weld leaving your plant is a solid one.

For more information visit us at weldcomputer.com.