

Resistance Welding Evaluation

Identifies Problems & Presents Solutions



WeldComputer has extensive experience in the analysis of resistance welding operations and the implementation of practical solutions to solve production problems facing the manufacturer. During a typical two-day on-site evaluation WeldComputer brings advanced monitoring equipment into the manufacturer's facility to perform a rigorous assessment of the resistance welding operation. This process identifies problems that lead to bad welds, reduced weld quality and excessive downtime. Then, based on what is uncovered during the visit, clear actions are provided for the manufacturer to take to prevent bad welds from passing through production undetected, improve weld quality, and reduce production costs and machine downtime.

The manufacturer will learn how to:

- Check the electrical and mechanical health of a weld machine in the time it takes to perform one weld;
- Recognize if excessive friction or binding of the electrode/ram assembly exists that would adversely affect production;
- Recognize when a shift in the welding process occurs as soon as it happens to prevent the ongoing production of questionable welds and avoid the consequential losses associated with not immediately detecting the problem;
- Quickly determine if the cause of a process shift is attributed to the machine or to the part, so that the source of the problem can be rapidly pinpointed and corrected without incurring unnecessary downtime;
- Rapidly determine the optimum heat and time settings to use for production without the need to perform multiple destructive tests; and,
- Instantly measure the consistency of every weld without performing destructive tests that waste material and slow down production.



WeldComputer

The Technology Leader in Resistance Welding



These on-site services will provide the manufacturer with insights and knowledge about the resistance welding process that cannot be obtained elsewhere. Material will be presented in a concise and easy to understand fashion that personnel with all levels of expertise will comprehend and appreciate. These techniques will be demonstrated on the manufacturer's machine(s), and during that process the capabilities of the production machine(s) will be quantified.

Some support services from the manufacturer will be required as directed. Such work may include the supplying of metal pieces, insulating blocks (such as phenolic or nylon), basic machining services that may consist of cutting the blocks to specific dimensions, drilling and tapping of holes, and supplying of other hardware such as nuts and bolts to facilitate the mounting of some transducers and sensing devices. This work will require a few hours of uninterrupted access to the machine when it is not in production.

FEES:

On-Site Services: \$1,500/day

Travel and living expenses billed at cost plus \$85.00 USD per hour for travel time outside the normal 8:00 am to 5:00 pm working day.

Terms and Conditions: \$1,500 deposit with company Purchase Order, balance NET 30 Days.

Please contact Melissa Conpropst to schedule an on-site evaluation.

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