

RESISTANCE WELDING TRAINING

Your Masterclass in Resistance Welding

Learn the secrets to great resistance welding. Get trained by WeldComputer's experts and take your team's resistance welding skills to the next level.

Training Designed For Your Operation

Enroll in WeldComputer's comprehensive in-person training designed to meet the needs of your specific operation's application. You'll learn from our team of experienced and knowledgeable instructors using state-of-the-art equipment at the WeldComputer facility, providing every student with an education that is second to none.

We take great pride in our ability to help you learn the necessary skills for success in this industry. Through the training, students gain a comprehensive understanding of resistance welding fundamentals, ranging from theoretical concepts to practical applications and equipment used in various processes.

Our method uses a combination of classroom and practical, hands-on experience to teach the science and art behind resistance welding. Upon completing our course, resistance welders will have the knowledge necessary to boost production, minimize downtime, elevate welding quality, and prolong the lifespans of both welding machines and related consumables.

What You'll Learn

- ✓ Physics of resistance welding
- ✓ Key definitions and terminology
- ✓ Equipment and tooling design
- ✓ Pneumatic systems
- ✓ Weld transformer operation
- ✓ Weld control operation
- ✓ Welder configuration
- ✓ Electrode selection and maintenance
- ✓ Interpreting weld monitoring results
- ✓ Identifying problems and solutions
- ✓ Quality assurance monitoring
- ✓ Destructive and non-destructive testing
- ✓ Operator safety
- ✓ Common troubleshooting techniques
- ✓ Maintenance tips

Why Customers Choose WeldComputer's Training

Gain an education in resistance welding you can't get anywhere else.

Learn everything from the basics to the physics behind resistance welding, quality assessment techniques, how to fix welding issues, and everything in between.

Our instructors are the best in the world.

Our instructors bring decades of experience, including lecturing at the Ohio State University and the U.S. Air Force, to teach you about the physics and art of resistance welding.

Train at our facility for your specific operation.

Each class is customized to fit your specific application and needs. The course is designed to meet the skill level and experience of attendees.

THE WELDCOMPUTER MASTERCLASS

What's Included in Your Training

Invest in your operators. WeldComputer's training course is ideal for small groups of welding operators, shop managers and production supervisors, welding engineers, and technicians.

✓ Interactive Classroom Sessions

Jump into resistance welding school. We'll share decades of resistance welding knowledge in hours or days.

✓ Customized Instruction for Your Application

We tailor our curriculum to meet your needs and your specific resistance welding process.

✓ Weld Quality Analysis

We can help you assess your weld quality measurements and understand the impact that different weld schedule settings have on your welding consistency.

✓ Certification

Each attendee receives a certificate of completion along with additional educational materials.

✓ Hands-On Welding Instruction

Step into our welding lab to apply the classroom lessons to the shop floor. Receive multiple hours of hands-on instruction.

✓ Lunch & Learn

Meet the WeldComputer team and talk shop over a catered lunch and ask any resistance welding questions you may have.

✓ At Our Facility or Yours

Our educators lead instruction from our WeldComputer facility, but we can arrange on-site training at your facility to train on your existing machines.

✓ Introduction to WeldComputer Systems

Become familiar with the WeldComputer solutions – from our controls to monitors and adaptive capabilities.

Meet the Instructors

Our instructors are recognized as leading authorities in resistance welding by the Ohio State University, the U.S. Air Force, the National Nuclear Security Administration and Department of Defense, Y-12 National Security Complex, and NASA.

Additionally, our instructors have also been recognized for their outstanding contributions to the technology and application of resistance welding:

- 2019 Elihu Thomson Resistance Welding Award by the American Welding Society (AWS) recipient
- Member of the D17.2 committee that writes the military specifications for aerospace resistance welding applications
- Member of the C1.1 committee that writes the recommended practices for resistance welding for the industry
- Member of the J1 committee that writes the specifications for controls in resistance welding

