



DAIHEN, Inc.
ADVANCED WELDING & ROBOTIC SYSTEMS
1400 Blausen Drive
Tipp City, OH 45371
Ph: (937) 667-0800
Fax: (937) 667-0885

DAIHEN TRAINING FACILITY AX/AII WELD BASICS COURSE DESCRIPTION

The *AX/AII Weld Basics Course* is designed for Daihen customers who have completed the AX/AII Basic Programming class and wish to develop a deeper understanding of robotic arc welding application.

Upon successful completion of this course, students will be able to perform the following tasks:

- Basic programming overview.
- Initial set-up of welding system (robot side installation).
- Arc Characteristic design and assignment.
- Basic robotic arc welding fundamentals.
- Pulse vs. Short arc welding (definitions & applications).
- Multi-type weld system set-up (aluminum, steel and, etc.).
- Overview of Touch Sense and Seam Tracking application.
- Advanced weld program creation and design.
- Robotic arc application troubleshooting (cycle time, arc generation faults, trouble shooting of consumable equipment, and common weld system problems).

In addition to classroom lectures and discussions, there will be several “practical” programming and welding exercises.

A “Certificate of Achievement” is awarded to those students attending this 3 day course who successfully complete all “practical” exercises as well as a written final examination.