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OTC DAIHEN TRAINING FACILITY INTEGRATOR COURSE DESCRIPTION

The *Integrator Course* is designed exclusively for OTC Daihen Inc.'s Distributors and Integrators. This course is designed teach the fundamentals of robot integration, set-up and installation into existing and custom robotic cells. **Please note this course is a NON-WELDING Course.**

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

- Basic programming overview
- Safely set up and understand input voltage to system.
- How to verify proper system operation after input voltage has been applied
- How to install and test peripheral safety equipment
- How to properly wire physical inputs and outputs
- Assign designated system inputs and outputs
- Overall system calibration, including external axis mastering
- How to install and design robotic safety zones to avoid robot “crashing”
- How to enable, program and manipulate internal robot PLC
- Setting up for multi-station usage, both standard and custom (PLC)
- Multi-synch programming between robot and external axis
- Multiple robot I/O communication
- Proper system disassembly, shipping methods (packaging) and system recovery after delivery at end user
- Multi unit set-up and description of multi unit systems
- DP series welder installation and swap out
- Operation and installation of the following options:
 - Endless rotation
 - Touch sense
 - Coordinated motion
 - Auto-calibration
 - External axis shift

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