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 to 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.