DAIHEN TRAINING FACILITY
ARC/TOUCH SENSOR COURSE DESCRIPTION

The *Super Arc Sensor Course* is a programming course that teaches students how to properly set-up, use, and write programs utilizing the Super Arc Sensor. This course is designed for personnel who are responsible for set-up, programming, editing, and daily operation of DAIHEN robots utilizing the Super Arc Sensor option.

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

- ➢ Set-up the robot controller to operate with the Super Arc Sensor
- ➢ Know the major components of the Super Arc Sensor
- ➢ Understand the sensing methodology used to steer the welding torch
- ➢ Set up and run automatic learning features of the system
- ➢ Write a program utilizing seam tracking
- ➢ Understand touch sensor theory of operation
- ➢ Write a program utilizing touch sensing
- ➢ Understand the safety precautions to be used with the Super Arc Sensor
- ➢ Understand use of automatic wire cutter and wire length correction command
- ➢ Write a program utilizing arc sensing and touch sensing
- ➢ Know the application limitations of the Super Arc Sensor
- ➢ Create and use a sample data file

In addition to classroom lectures and discussions, there will be a number of "practical" programming and welding exercises.

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