CrossRobotics Universal Robot Maintenance Training

- Introduction to Robot/Mechanical Design Overview
- Power Up Procedure and Initial Setup
 - Creating and Editing Installation Files
 - TCP, Mounting, I/O Setup, Modbus TCP, Default Programs
- Basics of Programming
 - Cover commands on 'Basic' Tab of Structure Screen
 - Move Types with hands on practice examples of each
 - Simple I/O interaction and Wait Commands
 - Popup, Halt, Comments and Folders
 - Write simple (simulated) pick and place program using Basics
- Break
- Advanced Programming on Pendant
 - Cover commands on Advanced Tab of Structure Screen
 - Loops, Subprogram Calls, If.. Else Statements, Variable Assignments
 - Integrate these into Basic program above
 - Threads, Events and overview of build in functions on the pendant
 - Force Mode
 - Explanation of each type and simple hands on examples
- Features
 - Creating User Defined Coordinate Systems
 - Points, Lines, Planes and features thereof
 - How to use these in programming and hands on example
- Hands On Practice
 - Connect Gripper
 - Palletizing with 'Inspection' Between (I/O Intervention)
 - Advanced Pick and Place of different objects
 - Program Optimization (speed, robot movement)
- Troubleshooting Joint and Control Box Issues
- Support Site/Magic Files/Software and Firmware Update

