Course description

IN-RB08
Conveyor Tracking

Course goal
The goal of the course is to improve the ability of run the Robot cell, Program Modification and responsible for engineering, commissioning, operation and Maintenance of Robotics for Automation. Able to run the Robot cell, Program Modification, New Programming, improvement in Welding Quality, General Troubleshooting

Learning objectives
Upon completion of this course, students will be able to:
- understand the Conveyor Tracking
- Safety and Handling
- Understand the critical elements Programming
- Conveyor
- Process Control and setup

Participant profile
Personnel from Plant Engineering
Robot Operator

Prerequisites
Degree or diploma in engineering, basic knowledge of Automation Product, Programming Concept And familiar with Automation

Topics
- Safety Overview & Introduction
- Overview of RAPID, RAPID Program structure, Routines, Modules, Program Data
- Program Data, new Data, Declaration,
- Introduction of ABB Conveyor System
- Conveyor Setup
- Hardware Requirement
- Encoder Interface Card
- Encoder
- Sync Switch
- Conveyor Base frame Definition
- 4 points method
- Teaching & modification
- Learner Conveyor Tracking
- Circular Conveyor Tracking
- System Parameter setting and Configuration
- Conveyor Calibration
- Count per meter
- Setting of Process parameter
- Conveyor Tracking Instructions
  - ActUnit
  - DeactUnit
  - WaitObject
  - DropWorkObject
Conveyor Tracking

- Conveyor Input and Output
- RemAllPObj
- c1Connected
- c1Position
- Teaching and Modification of conveyor Tracking Points
- Program Example
- Question & Answer, Summarizing

Course type and methods

This is an instructor led seminar with practical exercises. The language of the course is English

Course Duration
The duration of the course is Two days.
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Course Outline

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