

RobotStudio 5 Offline Programming

Course Outline

Duration 4 days

Beneficial to Programmers / integrators

Students must have experience with Microsoft Windows and completion of IRC5 Programming and Operation course.

Subject areas

Introduction to product

Online / Offline functionality

RobotWare

Explore RobotStudio5

Navigating the graphics window

Views, Tabs, Ribbons

RobotStudio Options

Prepare a basic station

Creating a basic station

Attaching tools to robot arm

Importing and positioning solid geometry

Methods of Jogging the robot

Modelling

Create solid objects

Cut, join, intersect extrude

Offline programming

Creating a Workobject

Create tools and data from models

Create targets and paths from geometries

Adjusting targets orientation

Programming motions

Setting robot axis configuration

Simulating the robot program

Further Offline Programming

MultiMove coordinated motion

Programming with track mounted robot

Coordination with Rotary positioner

Conveyors and tracking moving parts

Creating Smart Components

Objectives

On completion, participants will be able to perform:

- Offline programming with RobotStudio 5