TM ACADEMY

TM AI Cobot Beginner's Training

Course Purpose	Courses	Learning Target	Hours
Locate SSDs and perform pick-and-place tasks with built-in vision	Get familiar with robot's motion	In this chapter we will explain how the robot arm represents the current posture in space, and how we should control the robot arm.	0.5
	Robot startup and TCP setting	We will learn how to start up the robot and also how to setup the tool center point before we start editing TMflow project.	0.5
	Create point and I/O control	Learning how to create point in TMflow and also how to control the I/O signal of the vacuum cup.	0.5
	Motion settings and Loop Control	We will learn the motion settings in a Point node, parameterize them, and also how to control the loop counts in TMflow.	1
	Fixed Point Positioning	We will use fixed point positioning to locate and pickup the SSD, also we will use the TM Landmark to locate the tray and place the SSD.	1
	Barcode Scanning	Using the barcode function to identify the barcodes on the SSD	0.5
	OCR2	Using OCR2 to inspect the wording of the SSD label	0.5
	Inspect labeling quality	Using Gauge function to measure the labeling quality of the SSD	0.5
	Screw Inspection with AI	Learning how to use AI Classification to inspect the screw driving quality of SSD	1