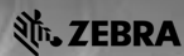


Agenda for Matrox Design Assistant X Training



Day 1

Time	Topic
9:00 -- 9:15	Welcome
9:15 -- 9:30	Design Assistant Overview
9:30 -- 10:00	Lab 1 (Getting familiar with DA)
10:00 -- 10:45	Blob Tool
10:45 -- 11:00	Break
11:00 -- 11:30	Lab 2 (Blob Analysis)
11:30 -- 12:00	1D-2D Barcode Reading
12:00 -- 13:00	Lunch
13:00 -- 13:30	Lab 3A (String Reader & Code)
13:30 -- 13:45	View Utility
13:45 -- 14:15	Creating an Operator View
14:15 -- 14:45	Lab 5 (Operator View)
14:45 -- 15:15	Locating Objects
15:15 -- 15:30	Break
15:30 -- 16:00	Lab 4 (Model Finder)
16:00 -- 16:30	Deep Learning
16:30 -- 17:00	Lab 6 (Deep Learning)

Day 2

Time	Topic
9:00 -- 10:00	3D
10:00 -- 10:30	Lab 7A (3D - Surface)
10:30 -- 10:45	Break
10:45 -- 11:30	Measurement
11:30 -- 12:00	Lab 8A (Stripe Marker)
12:00 -- 13:00	Lunch
13:00 -- 13:30	DL OCR / String Reader / SureDot
13:30 -- 13:45	Fixturing
13:45 -- 14:15	Introduction to QuickComm and PLC
14:15 -- 14:30	Pass or Fail? - Tuning and Validation
14:30 -- 15:15	Lab 8B (Circle Marker)
15:15 -- 15:30	Break
15:30 -- 16:00	Image Acquisition
16:00 -- 16:30	Recipes
16:30 -- 17:00	Template Projects (CodeReader Template or Presence Absence Template)

Day 3

Time	Topic
9:00 -- 9:30	Image Processing: Filters, Mappings, Geometric Transforms
9:30 -- 10:00	Metrology
10:00 -- 10:30	Lab 7B (3D - Profiles)
10:30 -- 10:45	Break
10:45 -- 11:15	Calibration and Real World Coordinates
11:15 -- 11:30	Lab 9A (Fit Circle)
11:30 -- 12:00	Using Expressions, Arrays and Variables
12:00 -- 13:00	Lunch
13:00 -- 13:30	Custom Step
13:30 -- 14:00	Profiler and Monitoring Page
14:00 -- 14:30	Lab 9B (Parallelism)
14:30 -- 14:45	Break
14:45 -- 15:15	Optional Topic 1
15:15 -- 15:45	Optional Topic 2
15:45 -- 16:00	Q & A
16:00 -- 17:00	Application Specific Discussions

Day 3 – Optional Topics (decided on Day 1 based on attendee interest)

Network Communications- Not QuickComm (TCP/IP, MODBUS, Legacy Ethernet/IP and PROFINET)

Bead Inspection

Code Grading

Robot Steps

Communicating with Other Devices (Digital I/O and Serial Comm)

Color Analysis

Lab 3B (String Reader)

Lab 3C (SureDot OCR)

Lab 8C (Multiple Stripe Markers)

Lab 9C (Angularity)

Lab 9D (Perpendicularity)

Lab 10 (Rotation Objects)