

FleXinspect BC

Course Information

Course Title:	FleXinspect B & C – Advanced
Duration & Location:	4 Days, 26-29 Oct 2027 at BEG Training Center in Munich, Germany
Target Audience:	Operators for inspection equipment, Job Change team inspection
Course prerequisites:	Advanced level course to the Glass Industry
Instructor:	Inspection Trainer
Delivery Mode & Language:	In Person in English

Course Objectives

- Explore the complete FleXinspect B & C machine architecture, including the machine layout, electronics console, power distribution, server, network, security tools, and TwinCAT environment.
- Learn to read machine schematics, identify key electrical components, and understand how power, control, and communication systems interact.
- Use EtherCAT terminal layouts, signal flow, topology, PLC visualisation, and TwinCAT program structure to trace signals and support fault diagnosis.
- Build, optimise, and verify advanced inspection setups for FleXinspect B & C using practical exercises and realistic production requirements.
- Perform encoder and conveyor-ratio calibration, set tracking positions, and fine-tune container tracking for accurate inspection timing.
- Apply a systematic troubleshooting process during guided, hands-on fault scenarios, from identifying symptoms and root causes to implementing and verifying the correct resolution

Assessment Methods

- Quizzes, Assignments, Practical Participation
- Final Group Task

Resources Required

- Personal Protective Equipment
- eLearning platform access (pre-learning)
- Simulation Software (if applicable)

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Course Schedule (Daily Outline from 8:00 am to 4:30 pm)

Training Days	Topics	Activities	Expected Outcomes
Day 1	- Introduction to the machine, its standard operations and safety guidelines. - Describe the functionalities of the User Interface and statistical screens.	- Review training presentation to cover the machine training topics - Review the necessary screens using the Simulator	- Learners will be able to describe the function and operation of the machine. - Learners will be able to navigate through the User Interface.
Day 2	- Review job change procedure - Provide guidance on job setup inspection options including: Finish 1, Finish 2, Base, Base stress and Mold reader.	- Review training presentation for job setup and core inspection topics - Follow the inspection setup using the Simulator - Perform inspection setup at machine	- Learners will be able to understand and perform job change process. - Participants will understand the proper optical alignment and set up for Flex B inspections.
Day 3	Provide guidance on job setup inspection options including: Opaque and Dimensional inspections	- Review training presentation for proper inspection setup - Follow the inspection setup using the Simulator.	Participants will understand the proper setup for sidewall inspection Flex C inspections.
Day 4	- Provide guidance on job setup inspection options including: Transparent and Shoulder (Mid) cameras. - Provide useful application for additional common procedures in the parameter's setup	- Review training presentation for proper inspection setup - Follow the inspection setup using the Simulator. - Perform inspection setup at machine.	Participants will understand the proper setup for transparent and Mid Camera Flex C inspections.
Day 5	Identifying the areas of the machine that require preventative machine maintenance.	Review training presentation to cover machine preventative maintenance	Learners understand the importance of recommended machine maintenance and complete a machine job change

