

AIS Mechanical Training

Course Information

Course Title:	AIS Mechanical Training
Duration & Location:	5 Days, 20-24 September 2027 at BEG Training Center in Windsor (CT), US
Target Audience:	New operators to the glass machine, plant mechanicals and engineers
Course prerequisites:	Entry level course to the glass industry
Instructor:	Mechanical Trainer
Delivery Mode & Language:	In Person in English

Course Objectives

- Hands-on experience and comprehensive knowledge of various machine mechanisms
- Detailed mechanism setup and operation
- Installation of all mechanisms and setting up AIS machine for full operational potential

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	- Machine Frame. - Section Frame - IS Valve block - Feeder Mechanism	- Hands-on at the machine using valve block, speed screws and stripping and re-fitting valves - Zeroing and centering the plungers	Participants will understand the setting required to zero the plunger mechanism
Day 2	- Tube Mechanism - Shear Mechanism - Gob Distributor	- Hands-on Zeroing the tube height - Stripping shear mech, changing blades, setting open and close positions	Participants will be competent to align the 555 Gob Distributor with the relevant troughs and will know how to change the shear blades
Day 3	- Electrical machine operation - Plunger mechanism - MOC - Baffle-,Funnel-&Blowhead mechanism	- Hands-on removing and fitting plunger mechanism - Changing plunger positioner/cartridge. with the spare mechs strip and rebuild	Participants will be able to safely operate the mechanism, start the machine and set the mechanism's mode and setup position.
Day 4	- Servo Electric Invert mechanism - Neckring mechanism - Servo Electrical Take-out mechanism	- Hands-on removing and installing SEI and neck ring mechanism - Setting neck ring height and using teach mode to set the neck ring level (X&Ys)	Participants will be capable of removing and replacing the plunger mechanism and setting the correct neck ring height and level position on an AIS machine
Day 5	- FlexConveyor (mechanical) - FlexPusher (mechanical)	- Hands-on FlexConveyor & Pusher - Operation of high low air and air guide - Removing and stripping of high low valve setting conveyor height - Changing fingers and matching belt speeds	Participant will be capable of removing and installing all mechanisms and have the understanding to set up each machine to achieve full operational potential



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