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AIS Mechanical Training

Course Information

Course Title:	**AIS Mechanical Training**
Duration & Location:	**5** Days, **19-23 April 2027** at BEG Training Center in **Sundsvall, Sweden**
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