



Material Handling Lab

Mechanical and Production Engineering Department

Ahsanullah University of Science & Technology (AUST)

General Lab Safety Rules

Wear PPE: Lab coat, safety goggles, gloves, and closed-toe shoes are mandatory.

No Unauthorized Entry: Only authorized students and staff are allowed in the lab.

Keep Workspace Clean: Ensure all equipment is stored properly and workspaces are clean after experiments.

No Eating or Drinking: Food and drinks are strictly prohibited to avoid contamination.

Accident and Health Hazard Provisions

First Aid Kit: Familiarize yourself with its location and basic first aid procedures.

Fire Safety: Know the emergency exits and fire alarm locations. Evacuate immediately if a fire cannot be controlled.

Incident Reporting: Report accidents immediately to the lab in-charge. Investigations will be conducted to prevent future incidents

Safety Procedures for Specific Equipment

Bucket Conveyor: Only trained personnel should operate the conveyor. In case of a jam, use the stop button and only attempt to clear jams once the machine is fully stopped.

Screw Conveyor: Screw conveyors can have sharp edges; gloves help reduce the risk of cuts. Avoid overloading the conveyor to prevent stress on the equipment, which may lead to mechanical failure.

Belt Conveyor: Keep fingers, hands, and loose items away from the belt. Avoid placing materials near the edge. Check for belt wear and alignment before operation to prevent accidents from belt failure

Roller and Apron Conveyor: Keep hands and fingers clear of rollers during operation to avoid pinch injuries. Regularly check for wear on chains and sprockets. Respect the load capacity of the rollers to avoid equipment damage and potential injuries. If the conveyor runs automatically, ensure protective barriers or guards are in place to keep people out of moving parts. Ensure materials are securely placed to avoid spills that could lead to slips or falls.

Lab Contact Information

Lab In-Charge: Mohiuddin Sarkar

Emergency Contact: [LA: 01939843297, AAO: 01534100141]

REMEMBER: Safety First! Always adhere to lab safety protocols.