

METADATA (*)

TOPIC D – Training Unit 2: Glass Production Process

Source

Partner: **VERALLIA** - Internal documents Verallia, Italy

Project: TRINEFLEX - Transformation of energy intensive process industries through integration of energy, process, and feedstock flexibility, Grant agreement ID: 101058174

Ownership

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Abstract

General knowledge of the production process of hollow glass containers (bottles and jars). The various steps of the production process will be analyzed in order to give a general overview of a glass factory production. Two separate lessons will analyze the functioning of the feeder channels and the Shrinking-Hooding machines.

Structure

- Lesson 1: Glass containers manufacturing process
Explanation for the glass factory processes and the various steps from the arrival of the raw materials to the sending of the containers.
- Lesson 2: How feeders are made and how work
Explanation of how the feeder channel is made and the adjustment methods to obtain homogeneous drops of the correct temperature.
- Lesson 3: How Shrinking-Hooding machine are made and how works
The Lesson describes the various parts of the Shrinking-Hooding machines and the method by which the pallets with the containers are covered and heat-shrunked.

Learning Outcomes

- Lesson 1: This course enables participants to gain comprehensive knowledge regarding the overall functioning of glassworks, from the arrival of raw materials to the departure of trucks carrying formed containers.
- Lesson 2: After this training unit, participants will be able to identify all the major parts of the feeder channels and understand their functioning.
- Lesson 3: At the end of the lesson, the trainees will be able to thoroughly understand the functioning of a wrapping machine.

Intended Audience The training unit is designed for students & researchers
Pre-requisites <ul style="list-style-type: none">· Lesson 1: No prerequisites required.· Lesson 2: Having followed and understood Lesson 1· Lesson 3: Having followed and understood Lesson 1
Language: English
Format: Video mp4, PDF
Expected workload Expected total workload is 1,15 hour
References/Complementary additional training material: No complementary/additional training material

(*) The structure of the Metadata for the Training Units derives from the training Metadata model developed within the Leonardo da Vinci project LINKVIT (2013-15, GA N. 2013-IT1-LEO05-04046)