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Glass technical training



Analysis and identification of the origins of glass breakage: AIOC

This training includes a theoretical section on the causes of appearance and propagation of glass cracks but also an important practical section pertaining to visualization and handling of samples which represent most of the possible breakage, along with their origins.

➤ **Purpose of the training**

Acquiring the theoretical and practical knowledge which is required to identify the origins of broken glass products (bottles, perfume bottles, tableware, flat glass building, automotive, furniture, glass pharmacy, lighting, optics, household appliances, solar collector).

➤ **Relevant staff**

Services laboratory, processing, manufacturing, quality engineers and technicians responsible for the analysis of the breakage of their glass products, from both glass production and manufacturing, decoration. This training is also aimed at customers of the glass industry: packager, bottlers, construction, transport, furniture industries, pharmaceutical laboratories, solar collectors.

➤ **Program** (adapted to the requirements of the trainees)

- Reminder on the glass material
- Properties of glass (viscosity, mechanical strength, expansion)
- Rule of the appearance of glass breakage (defects, stress)
- Origin of the defects
- Presenting the major reasons for breakage
 - Inner pressure
 - Bending
 - Thermal shock
 - Mechanic shock
- Case of tempered glass
- Observing photos and reference samples
- Observing samples brought by trainees
- Application: breakage test through company equipment and looking for causes by trainees.

➤ **Duration of training**

From 1 to 3 days depending on the desired program.

➤ **Place of training**

At your choice (your site or elsewhere)

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