



PROFEVER

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## Glass technical training



### Feeder monitoring : COFE

The feeder is the essential link between the processes of melting and forming. It has to provide glass to the forming machine with the level of quality required (glass flow, gob weight, temperature, thermal homogeneity, stability).

#### ➤ **Purpose of the training**

Help understanding how the feeder works about glass thermal and flow behaviour from the working end to the spout.

Learn how to adjust the feeder in various situations: type of glass, combustion, pull change, temperature change.

#### ➤ **Relevant staff**

People from feeder, forming and job change departments

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

- Characteristics of glassy state (devitrification)
- Fundamental properties of glass (viscosity, energy transmission)
- Description and role of the working end (distributor)
- Feeder
  - Role of the feeder
  - Performance criterion
  - Characteristic of a feeder as a canal (length, width, depth)
  - Characteristic of a feeder as a heat exchanger
    - Heating zone
    - Cooling zone
  - Feeder monitoring (pull and temperature change)
  - Gob forming (role of tube and plunger)
- Concept of thermal exchange
- Concept of combustion
- Concept of regulation
- Applications on plant feeders

#### ➤ **Duration of the training**

From 1 to 2 days depending on the desired program

#### ➤ **Place of training**

At your choice (your site or elsewhere)

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