BATCH · FURNACES · GLASS CONDITIONING

BATCH & FURNACE.

> "The best way to sum up a good B&F operation is to keep a low profile in the everyday operation, by being sure that it fully supports the hot end."

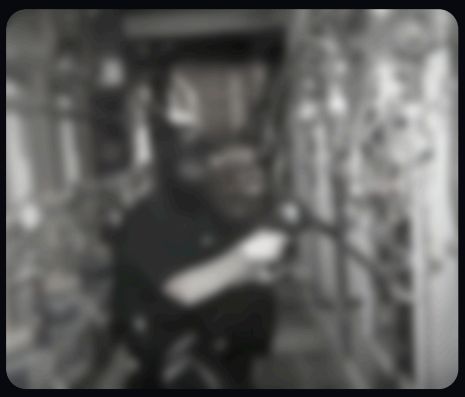
Although not as visible as IS production and glass mould design, the Batch & Furnaces operation is paramount in the global process of producing glass.

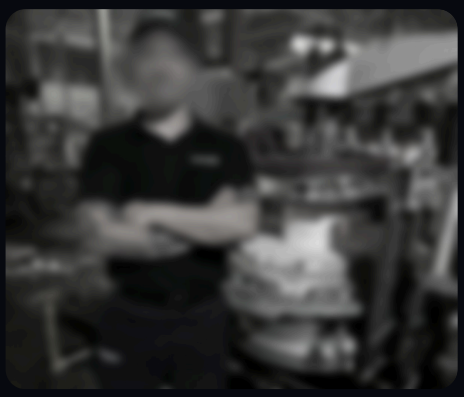
Because of the specificity of this step (raw materials, energy consumption and installation amortisation), it is the major contributor to the total specific cost of a glass container. That makes it decisive for a glass plant's competitiveness on a given target market, which also changes during a furnace campaign (usually around a decade).

FROM PROJECT TO OPERATION.

Empakglass's B&F department provides its partners with technical support that ranges from the initial installation project to the everyday operation. Our goal is to produce glass at the lowest possible cost, with the required quality, to maximise both the installation lifetime and the IS production efficiency.

That is why we prepare and help our partners to analyse and improve the furnace operation consistently, and to push for permanent maintenance and repair of the installation.





INSTALLATION PROJECT SUPPORT

We assist the client, according to the requirements, on the type and design of the installations needed: batch installation, furnace, working end and forehearths, and the support equipment such as transformers and ventilation.

OPERATION AND ECONOMICAL SUPPORT

On an already running installation, we start with an audit to determine whether the glass composition in use is both economical and suited to the company's product mix and furnace operation. We also focus on training the teams that handle the furnace every day.

The objective is clear: maximise furnace lifetime and reduce energy consumption, through consistent standardisation of the operation and through furnace inspection and maintenance.

OPTIMISE. TRAIN. SIMULATE.

OPTIMISATION PROCEDURES

Energy costs are not cheap anywhere, and the only thing we can expect is a constant increase. With very low or no investment, many improvements can be made to the furnace operation. They reduce the energy needed to produce the same amount of glass, in the same conditions, or even increase furnace output.

TRAINING PROGRAMME

Understanding the chemistry of glass production, and why installations are built the way they are, gives the teams in a glass plant the background to operate this equipment.

The objective of the training programme is to give our partners the maximum knowledge so they become fully independent in the everyday running of a B&F installation.

SOFTWARE PACKAGES

With day-to-day experience in running batch and furnaces, Empakglass has developed a range of software packages that give the user better decision-making tools:

1. Batch & glass properties simulator
2. Furnace operation simulator
3. Working end & forehearth simulator

TALK TO OUR TEAM

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