PARISON DESIGN · FORMING SIMULATION · COOLING

MOULD EQUIPMENT DESIGN.

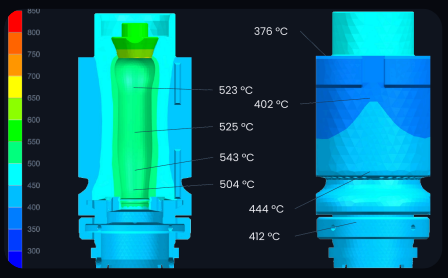
> "DRIFT (do it right first time) and OTIF (on time, in full delivery) are our priorities."

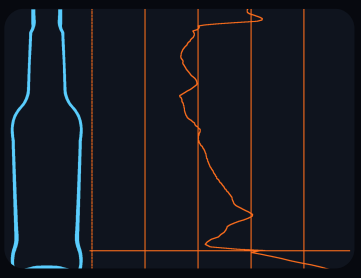
Today's competitive pressures require companies to use every tool at their disposal. Process simulation is unquestionably instrumental in cost, quality and delivery improvements.

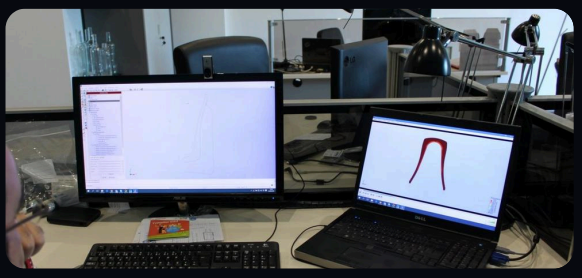
After the final container design approval, FEA technology is fundamental to predict the final glass wall thickness distribution, taking into account the correct parison design, the production process, the glass composition and the IS machinery used (delivery system, cooling system and machine timing).

The Empakglass approach gives our customers a higher starting point at a very early production stage. This reduces the number of trials needed before sampling approval for final production.

FROM DESIGN TO COOLING.







PARISON DESIGN & CONTAINER FORMING SIMULATION

1. Develop the appropriate parison design for your specific container, guiding you to an optimised and even glass thickness.
2. Simulate and assess the forming process based on your current or newly developed parison designs, guiding you to the optimal shape.
3. Perform lightweighting trials on your containers, avoiding the traditional trial-and-error approach.

IS MACHINE VARIABLES

- Orifice ring diameter
- Scoop, trough and deflector sizes
- Blank side assembly variables
- Blow side assembly variables

MOULD EQUIPMENT DRAWINGS

- Blank mould, blow mould, neck ring, baffle
- Loading funnel, plunger, cooling tubes
- Thimble, bottom plate...

MOULD COOLING DEVELOPMENT & ANALYSIS

Designing the most appropriate cooling schemes on:

1. Blank and blow moulds;
2. Neck rings;
3. Optimising the plunger cooling tube design for P&B and NNP&B;
4. Reducing thermal defects.

TALK TO OUR TEAM

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