

SUPPORT





Mould Design and Review

Mould Design: Bringing an idea or concept into reality. From the very beginning, the APEGG design team aims to ensure that the technical requirements and container quality are of the highest possible standard.

APEGG works together with all relevant stakeholders to bring the initial concept design idea into a workable solution, and from there, into a perfect usable mould design that is suitable for quality glass container production.

We have the facilities to manage the design process from the initial concept through to the product being displayed on the retailer's shelf. In addition, on-site forming support for sampling and first commercial runs can be offered.

Mould Design Review: This is a specialised troubleshooting service offered by APEGG. In the event that the production of a glass container is unstable and the desired efficiency, quality and speed cannot be achieved, mould design could be one of the reasons. APEGG has the knowledge to review an existing mould design and to establish if the design can be improved.

It is always our aim to use existing mould equipment where possible. If modifications are not practical, APEGG is able to offer a complete redesign for new mould equipment. APEGG is proud to say that we have been able to help different customers around the globe with the improvement of their existing mould designs, which have shown a positive impact on production efficiency and cost savings.

APEGG's Expertise Includes

Idea/Concept: We will work with the customer's initial design brief and product requirements to create a first container sketch for discussion purposes. The parameters, such as finish type, container height, shape and labelling will be established. APEGG understands that the image of the container is of paramount importance as it is representing the brand on a shelf.

Container Specification: After the concept agreement, a container drawing with all relevant technical information will be produced. The specification will take care of the container's physical requirements, such as forming process and internal pressure.

Mould Design: With the container specification approved, the mould design drawings can be produced suitable for any forming machine type (existing or new) and forming process (BB, PB, NNPB). APEGG will work closely with the glass manufacturer throughout the whole design process.

Mould Manufacture: With the APEGG mould design drawings, the glass manufacturer can purchase the required mould equipment directly from the mould supplier. If required, APEGG can assist with procurement of all the required mould equipment.

Sampling: APEGG can provide on-site assistance for the sampling of the newly designed container and closely observe the production results. After sampling, the production process and quality results must be evaluated in order to prepare for the first production run.

Assessment and Solution: APEGG will discuss the performance issues with the glass manufacturer or filler. All relevant production data, from the raw material to the filler, will be analysed. The complete mould design will be evaluated in conjunction with the production and quality data. This information will be compared to APEGG mould design standards and a formal report with recommendations will be produced. The glass manufacturer can carry out the modifications suggested by APEGG or APEGG can assist with the equipment alteration in our local mould repair shop.

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