

THE WAY TO THE PERFECT PACKAGING FROM DESIGN TO COST-EFFECTIVE PRODUCTION

Talk to us. Thanks to our decades of experience, providing us with initial basic information is already enough to enable us to design your packaging – tailored precisely to the product destined for filling and its individual requirements.

We will be happy to provide you with information and advice.



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BOTTLES & SHAPES™
PREMIUM PLASTIC
PACKAGING DESIGN



BOTTLES & SHAPES™

UNIVERSAL COMPETENCE FOR INDUSTRIAL PLASTIC PACKAGING

BOTTLES & SHAPES™

PACKAGING SOLUTIONS

CONVINCING DESIGN – PERFECT FUNCTIONALITY – CONTROLLED COSTS

It's experience that makes the difference

Designing new plastic packaging is a demanding business. Containers and pouches made of PET, PE, PP, HDPE, PLA, and sandwich film have long since become marketing instruments. Based on over 35 years of experience in stretch blow molding and plastics process engineering (Corpoplast made the first PET bottle in 1974), KHS is able to offer customers a unique universal advisory package and the relevant technological expertise for the production of premium plastic packaging.

Focus on sustainability and cost

In each stage of development, the Bottles & Shapes™ program focuses on the economic, ecological, and functional aspects of the design. This has the advantage that costs are reduced and emphasis is placed on sustainability, reflected not just in the finished package but also in the entire production process.

Guaranteed

For packaging designed using the Bottles & Shapes™ program, we give a warranty on all specified features. In combination with the internationally top process precision of InnoPET Blomax stretch blow molders and Innopouch® fillers, KHS is setting standards when it comes to cost efficiency, precision, and function – and not just in packaging manufacture but also in the entire downstream area, right down to palletizing at the end of the production line.

1 Professional design
The Bottles & Shapes™ program is geared towards turning creative packaging designs into industrially practicable packaging.

2 Outstanding quality
Using given specifications, in the Bottles & Shapes™ program we develop particularly lightweight, brilliant premium plastic packaging tested in our laboratories that is manufactured with the utmost process precision and whose outstanding functionality is impressive right down the entire filling line.

3 Costs under control – both ecological and economical
The Bottles & Shapes™ program takes all aspects of the cost of packaging production into account, such as fast design using computer simulation, for example, the minimum use of materials*, and reduced energy consumption.

4 On the safe side: packaging with a warranty
Not only is cost important; plastic packaging must also perform perfectly throughout the entire manufacturing process. We give a warranty on all features of the packaging specified in the Bottles & Shapes™ program.

* One gram less PET per bottle at an output of 100,000,000 bottles per year results in a saving of approximately € 120,000, for example.

CLEAR REQUIREMENTS, COORDINATED CONCEPTS

At the start of the packaging design process, we first clarify which product is to be filled and which type of packaging would be suitable for it. We then develop an appropriate concept based on these specifications.

PACKAGING CHARACTERISTICS CHECK

Only when the test results from our certified laboratories confirm all specifications is the packaging truly premium – with a warranty on the promised characteristics.

PERFECT SIMULATION: FINITE ELEMENT ANALYSIS

Great progress has been made in the speed of packaging design. Using finite element analysis, we simulate all known influences on the virtual packaging, save time and we can correct the design even before the first sample is produced.

PACKAGING DESIGN

Professional design suggestions, geared towards market conditions and assessed for technical feasibility.

HIGH-TECH OF OUR OWN MAKING: BLOW MOLDS

Blow molds are an important part of the Bottles & Shapes™ chain of competence, which is why we make them ourselves – for premium plastic bottles of the highest quality with optimized weight (lightweighting) and impressive brilliance.

RAPID PROTOTYPING FOR FIRST IMPRESSIONS

In order for customers to gain a first impression, we are able to produce a prototype of a new kind of packaging very quickly – another stage in development that cuts costs and saves time.

THE RIGHT MATERIAL

Materials are selected according to the product destined for filling. Environmental factors, cost, barrier characteristics, and suitability for the production process all play a part.

SAMPLES

Whether for market testing, filling tests, or labeling, packaging, and palletizing tests – KHS provides the necessary sample packaging.

PROCESS DESIGN

The entire packaging design process is reduced to a series of digital data. With experience and perfect process settings on its manufacturing machines, KHS is able to produce brilliant, lightweight, functional premium plastic packaging – at minimum overall operating costs.

