

DESIGN

Successful packaging design: aesthetics + engineering

Producing a commercially-successful product is the objective of every brand owner. Packaging plays a critical role in determining how you interact with the consumer.

PTI has three decades of experience in converting ideas into world-class design solutions. We excel at finding the intersection of design intent and engineering viability. We provide sound manufacturing options, allowing our customers to compete in the dynamic marketplace.

Simulation + modeling reduces time, manages budgets

PTI provides state-of-the-art technologies and software to help test and refine your concept or product design. We'll make sure your package is ready to meet or exceed performance objectives, with improved speed-to-market and at reduced costs.

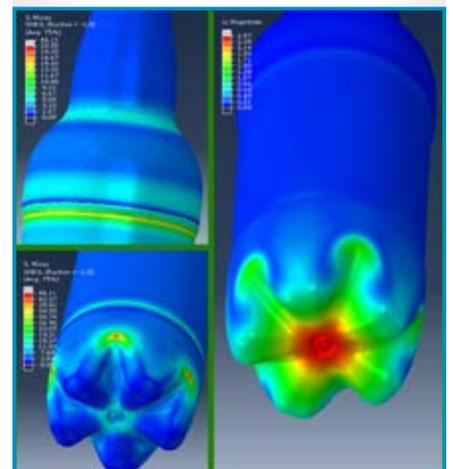
By providing virtual prototyping, process simulation, barrier performance modeling and analysis, we complement your entire project team—including design, marketing and production.



3D design and modeling



Collaborative process



Virtual design and simulation

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DESIGN

Preform optimization + lightweighting help achieve packaging objectives

When brand owners try to reduce packaging costs, they frequently look to lightweighting. However, performance optimization also needs to be considered.

In the case of PET bottles, lightweighting means reducing the preform gram weight. This can mean modifying a finish, changing a base, taking material out of the side wall or a combination of things.

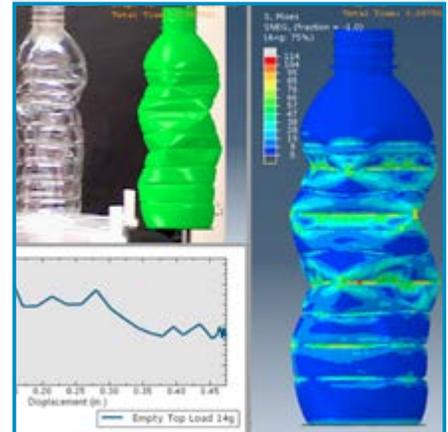
PTI's three decades of extensive preform-to-bottle experience can help you find the right optimized solution to meet performance and economic objectives.

Creating functional packages that become commercial success stories

PTI has taken hundreds of designs from concept into production. Our team of designers, engineers and technicians make sure the knowledge gained from producing prototypes gets communicated to your production floor. We assist you in maintaining the quality and technical specifications required for your commercial success.



Glass-to-plastic conversion



Realistic simulations



Ergonomic design considerations

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