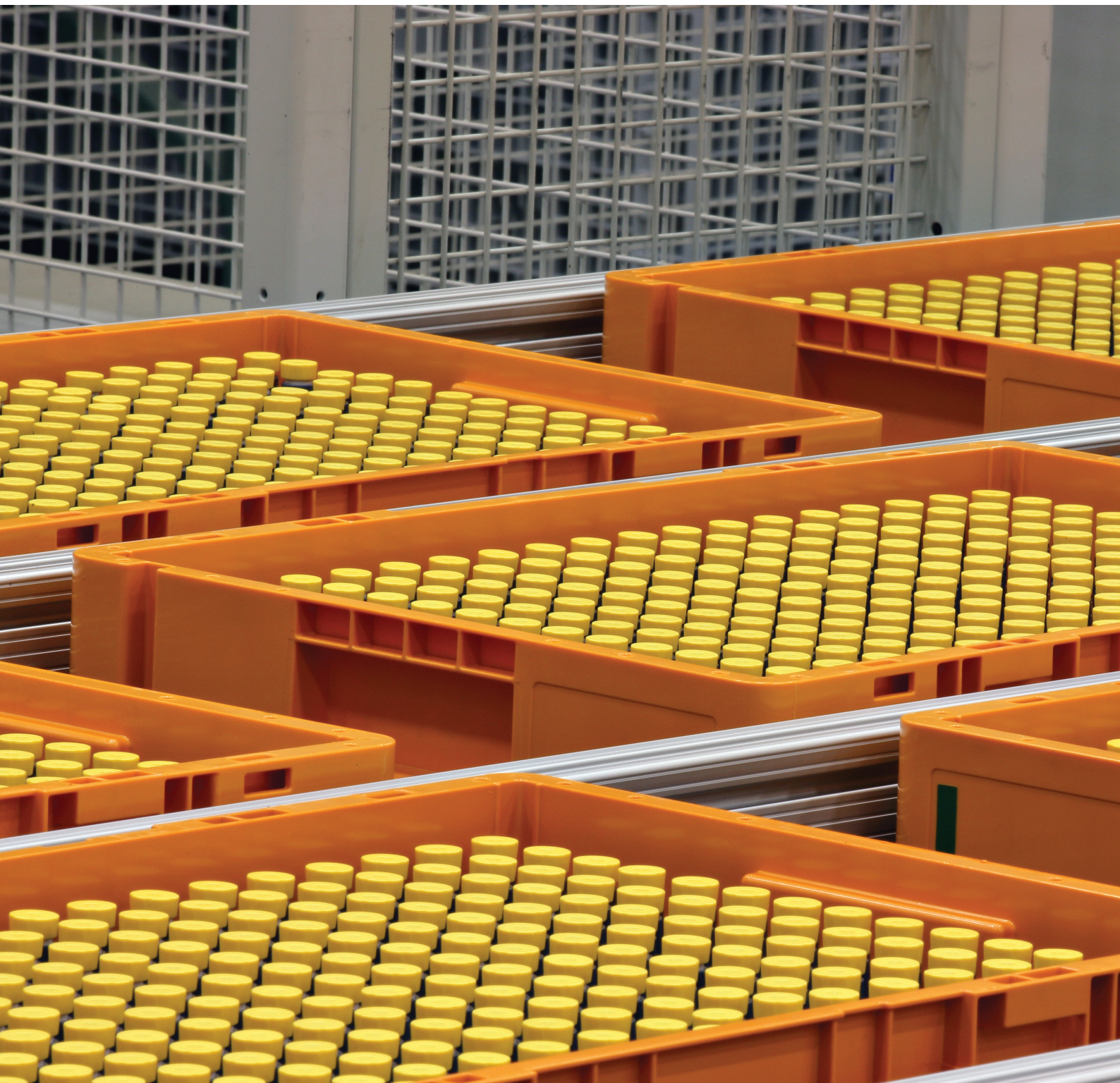


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MEDICAL VIAL TRAY



SAFE TRANSPORT

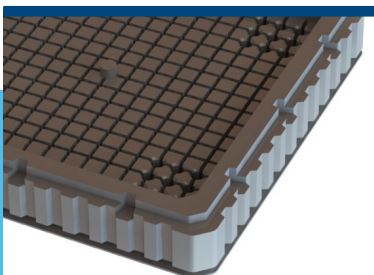
MEDICAL VIALS

FROM THE DESIGNER:

“combining our expertise with that of our customer resulted in a solution which met all the vital requirements to keep the product safe and secure in a sustainable solution.”



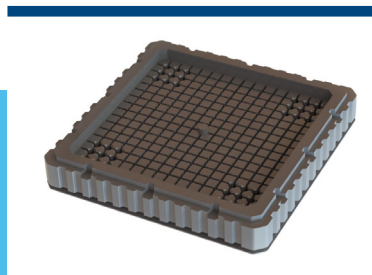
SPACE UTILIZATION



The design maximizes the footprint of the tray with the ability to ship 224 glass vials per tray



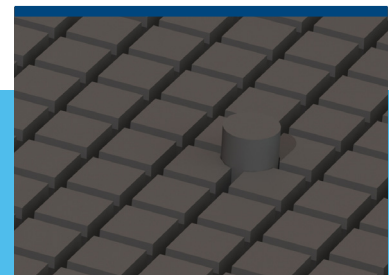
FRAME TRAY



Tray was designed to optimize transport of future vial sizes with the ability to swap center molds of the tray



EXTRA PROTECTION

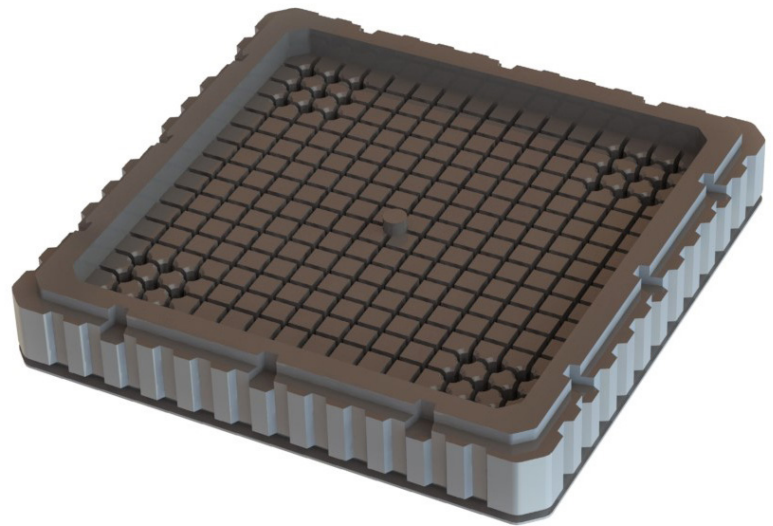


To avoid breakage during transport and ensure proper spacing, an ABS pin was added to the center of the tray

EFFECTIVE & SUSTAINABLE

Transport

Improve efficiency and avoid breakage defects with a secure transport device



THE STORY

As a key medical device manufacturer, our customer was facing a safe transportation challenge. Medical grade vials are manufactured and shipped to be filled and assembled in other locations. Without proper protection to the vials many were breaking during transport causing defect costs to increase. The customer reached out to Georg Utz to develop an effective and sustainable transport solution.

When work began on the project, there were several non-negotiable requirements. First, the glass vials must be properly protected against breakage during shipment, including the possibility for the box of vials to be dropped at any time. The solution had to be compatible with a one-way supply chain, and it must be easy for the end user to utilize.

The engineers at Georg Utz, together with the customer and members of the Utz Thermoforming department created a thermoformed tray which satisfied all the requirements. Each tray carries 224 glass vials and 6 trays stack together per shipping box. The tray uses a frame tray mold which allows the customer to mix and match inserts within the same footprint, should they begin production of a different sized vial in the future. The vials fit snugly into the pockets within the tray. To ensure proper spacing between the trays, a properly sized ABS pin is attached to the center pocket. Once stacked, the vials are unable to move during shipment. The exact spacing provided by the tray and its' features is vital to ensuring the safe transport of the vials.

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Georg Utz is a globally operating specialist for the development, manufacture and distribution of plastic-made reusable packaging systems for transport, warehousing, and intralogistics, as well as for technical parts for professional applications. Utz's vision is to be the leading manufacturer of containers, pallets, component holders and technical parts made from recyclable plastic.

