

WOODEN CRATE PACKAGING

Modular Crate Design

Results: Package Redesign

Improved shipping & reduced damage



Stacking

Allowed for triple stacking of the product



Damage Reduced

Greatly reduced damage during shipping



Goal Exceeding Designs

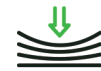
Multiple designs exceeding goals



Packaging Design Challenge

The leading manufacturer of assembled railings was looking for an optimized packaging design that would allow them to triple stack their product during storage and ship them on a flatbed truck without damage.

Requirements



Avoid compression damage when stacking



Prevent damage during flatbed truck shipments

BoldtSmith Actions

- 1 Completed onsite visit to review current packaging process, storage and handling methods
- 2 Created optimized packaging designs to prevent damage in transit
- 3 Completed line trials onsite with the optimized packaging solutions to gather associate feedback and determine if changes were required
- 4 Completed ship testing to a customer where information was gathered on how the product was unloaded and if the packaging was successful in protecting the product
- 5 Created financial analysis comparing current packaging to optimized



Old Packaging



Optimized Packaging