

SUSTAINABLE PACKAGING

Eco-Friendly Packaging

Results: Improved Sustainability

With packaging, freight and damage cost reductions



Damage Reduction

Reduced damage rate to less than 1%



Huge Savings

Nearly \$800,000 in annual savings



100% Recycled Material

For palletized product shipments



INDUSTRY

KD Furniture

Packaging Design Challenge

A large knockdown furniture company contacted BoldtSmith to transition away from non-recyclable foam in their products. The furniture items are manufactured domestically and shipped through both small parcel and palletized supply chains.

Requirements



Prevent damage with eco-friendly materials



Avoid increasing packaging costs

BoldtSmith Actions

BoldtSmith engineers developed optimized furniture packaging designs with and without non-recyclable foam, completed transit testing and created a financial analysis comparison. What we determined is that for small parcel shipping, we were not able to cost-effectively transition away from foam. However, we were able to utilize recycled materials for palletized furniture products.

This was a great balance of remaining cost-effective while exploring sustainable packaging materials.

