

E-Commerce Solutions

Reduce Damage and Cut Costs With Edge Protection

Damage resulting from shipping and handling products via e-commerce can quickly change customer perceptions of your brand. Costly returns, potential loss of future orders, and negative online reviews can have a significant financial impact.

To ensure packages arrive in great condition at their destination, Laminations offers protection for just about any type of product – no matter its size, weight, or shape. Not only does Laminations' edge protection offer dependable package protection, it meets customer demands for minimal, 100% recyclable packaging.

Our Promise:

Less Damage

- Protects products and packages in transit to the customer's doorstep

Ease of Use

- Easy to apply, remove and recycle

Cost Savings

- Fewer products returned and reduced need for corrugate and other internal package fillers

Custom Solutions

- Edge protection to meet your product and application needs

Engineering Support

- Access to our team of packaging experts

Package Testing and Certification

- Shipping through Amazon? Avoid costly prepping chargebacks by using our ISTA Lab to test and certify your packaging



We help ship products the right way

Contact us for samples or more information

800.925.2626 | LaminationsOnline.com

ISTA® 6 Testing and Certification Services

For over 50 years, we've developed solutions for customers across the country in various industries. Our experts work with you to develop a custom, engineered solution for your e-commerce product and package to help ensure your packaging performs from warehouse to doorstep.

Ensure Product Protection through the Last Mile

In the e-commerce marketplace, when it comes to packaging, it's not just your products you are protecting, it's also the reputation of your brand and the potential for future purchases.

Great Northern's in-house certified ISTA® (International Safe Transit Association) technicians can test and certify packages and fully loaded pallets in our state-of-the-art **ISTA 6 test lab** to pre-determine if packages are optimally designed and if modifications are needed.

The ISTA 6 tests expose packages to anticipated conditions and potential hazards that could be encountered throughout the supply chain and distribution channels. The ISTA 6 test protocols include:

- **Vibration Testing**
- **Incline Testing**
- **Material Handling**
- **Free-Fall Drop Testing**
- **Compression Testing**



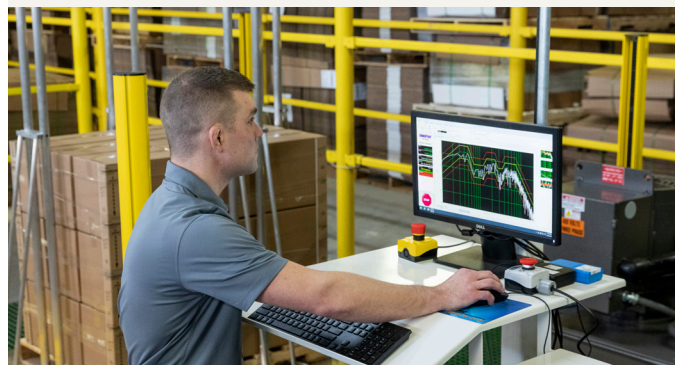
Single Resource for Efficient Package Design and Testing

Great Northern's in-house packaging design and testing expertise streamlines work and improves package integrity. When additional reinforcement is needed to pass the ISTA 6 test, our packaging designers make modifications that provide:

- **Package Optimization**
- **Reduction Of Overall Cost**
- **Reduction Of Lifecycle Waste**

A Full Range of Product Protection

Great Northern offers a full range of 100% recyclable interior and exterior product protection including corrugate solutions, custom molded pulp inserts, and VBoard® edge protection. Other non-recyclable interior protection such as coolers, foam, and plastic are also available.



Engineered Solutions

Customized to Your Application.

From crating and containing a warehouse of pallets to protecting e-commerce packages, Laminations has a reliable edge protection solution for products of almost any size, shape, or weight. Our in-house team of engineers can recommend the right solution for your application, and if needed, design a custom solution for your specific needs.



VBoard®

Made by laminating recycled paperboard into a rigid right-angle shape, VBoard provides edge protection as well as load containment, stabilization and even



NotchBoard®

Effective corner protection. Features precise die-cut notches and scores that permit it to be hand-folded.



VGuard®

A shorter version of VBoard, VGuard protects against strapping damage on palletized loads or stacked products.



PalletTop Display™

The fast, inexpensive solution for easy-setup and easy-takedown shelving.



Mega VBoard™

An extra-large version of VBoard, Mega VBoard is available in sizes up to 9" x 9" x 2" leg minimum and a variety of leg lengths and calipers.



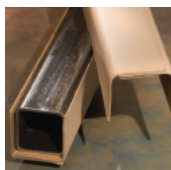
PerfBoard™

Enhances product stackability with the added convenience of perforated legs for fast, snap-off product layer separation.



Extruded VBoard®

Durable extruded plastic is 100% waterproof. Available in VBoard, VGuard and FlexBoard.



PetroShield®

Features an engineered coating that keeps oil and grease on the product.



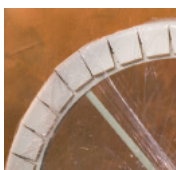
FlatBoard®

Superior customized edge and corner protection for a wide variety of products that folds to fit any application.



PF PalletTop®

Patented design forms a sturdy square or rectangular shape to fit tops, sides or bottoms of palletized loads.



FlexBoard®

Heavier-duty protection for contoured products.



QuikStik®

Features proprietary adhesive surface that holds long enough for you to wrap or band your pallet.



FlexRoll®

Edge protection on a roll. Continuous-length roll with pre-bent pieces for rolled/ contoured products.



VBoard / Clip Foam™
Added custom-fit foam protection.



HydroShield®

Ideal for protecting products in humid and wet environments.

Crating and Containing Solutions

A Flexible Shipping Option



Laminations has engineered crating and containing solutions for over 50 years. Our in-house team of engineers and designers can recommend the best solution for your product and application.

Maximize Storage and Shipping Space

- Laminations PF PalletTop, SURECrate, and SUREContainer reinforce pallet and package edges and corners while providing load containment, stabilization, and uniform weight distribution. Customize the fit and strength of the solution for your application.

Contain and Protect Products on Pallets

- Pallets are often difficult to stack and distribute uniformly, causing products to shift. Laminations PF PalletTop and VBoard solutions keep product edges and corners in-place, in-balance, and damage-free.

Fit and strength of each solution customized for your application.

Get in touch with one of our experts to learn about a crating and containing solution for your application.

Ergonomic and Cost-Saving Container Loading/Unloading

- Loading and unloading Gaylord containers or wooden crates is often cumbersome and physically challenging for workers. Featuring removable sides, Laminations SUREContainer allows workers to stack and place loads with ease, enabling them to load and unload from any side of the container.
- This solution provides seamless loading and unloading of heavy, large objects or several small objects into large containers and includes added VBoard edge protection.