

# ISTA® 6 TESTING AND CERTIFICATION SERVICES

## HELPING OUR CUSTOMERS WIN

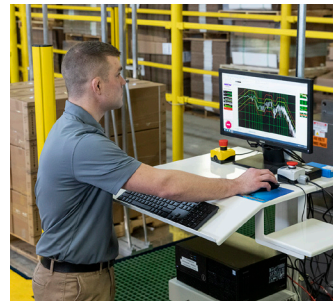
### Ensure Product Protection through the Last Mile

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.

## ISTA® 6 TEST LAB

Great Northern's ISTA 6 test laboratory and technicians are certified to conduct the following tests:

### ISTA 1 SERIES

#### NON-SIMULATION INTEGRITY PERFORMANCE TESTS

This test challenges the strength and robustness of the product and package combination. It is useful as a screening tool and benchmark to use over time.

### ISTA 3 SERIES

#### GENERAL SIMULATION PERFORMANCE TESTS

These tests provide a laboratory simulation of general damage-producing motions, forces, conditions, and sequences of transport environments, including a broad set of circumstances such as a variety of vehicle types and routes, or a variety of handling exposures. Characteristics will include simple shaped random vibration and different drop heights applied to the sample package.

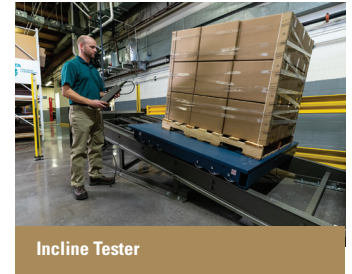
### ISTA 6 SERIES

#### MEMBER PERFORMANCE TESTS

These testing protocols are created by ISTA members or by ISTA in cooperation with a member company to meet their purposes and applications. Specific tests have been developed for Amazon, FedEx, and Sam's Club.



Vibration Testing



Incline Tester



Free-fall Drop Tester



Material Handling Course



Compression Testing

**All Great Northern ISTA 6 Lab Technicians have earned the Certified Packaging Lab Professional (CPLP) designation from ISTA.**

Contact us at **844-855-0963** or **greatnortherncorp.com** to learn more about an optimal package design and testing protocol for your products.