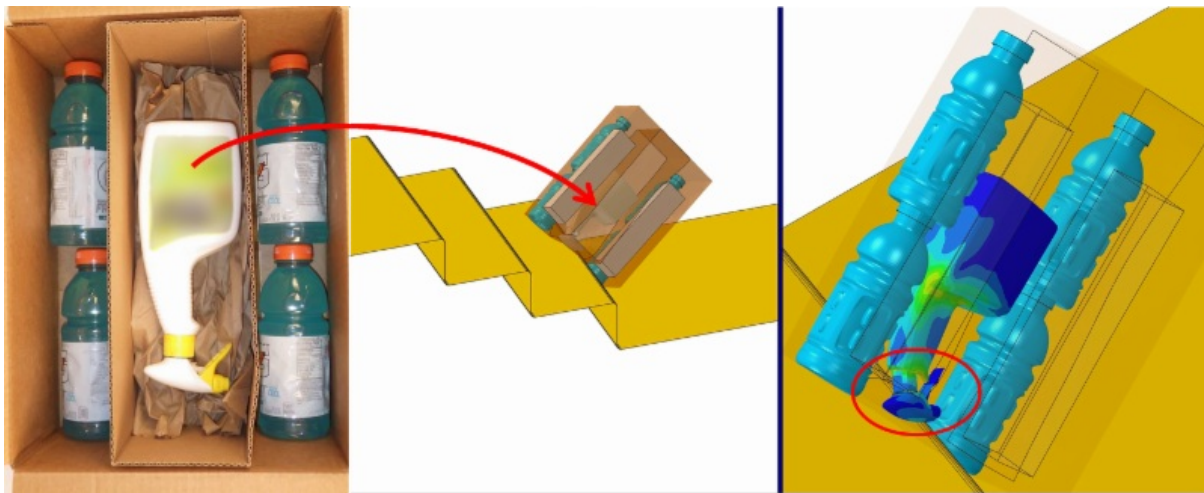


## E-Comm It

**E-Commercialize Your Existing Packages:** The packaging experts at Stress Engineering Services, Inc. (SES) can show you how using our proprietary advanced simulation and testing methodologies!

Let's face it, like it or not your products and packages will be sold by e-tailers even though they are not designed for e-commerce delivery. Most current packaging is designed for traditional distribution channels. With the rapid growth of e-commerce sales, brand owners are being forced to look for short-term solutions for their existing packages, particularly liquids. Due to the complexity and randomness of the e-commerce distribution system and a lack of truly representative, comprehensive test standards in the industry, the packages currently in the e-commerce channels are often either over-protected with secondary packaging materials or under-protected, especially in mixed product (or pantry) order conditions. Both of these cost you money!



Full Scale Computer Modeling & Simulation of Parcel Shipment & Unit Load Transit (In-Silico)

SES has developed, and continues to refine, new physics-based, statistically deterministic models and test methods to assess and quantify the additional package strength and features needed to survive the e-commerce distribution. These proprietary tools coupled with advanced simulation and 32 years of advanced packaging expertise are aimed at helping clients respond quickly to new packaging demands.

Call SES today to see how these new developments can help address the new distribution demands of e-commerce.

[In-Silico Package Transit Testing for E-Commerce](#)

[Design Strategies to Eliminate Liquid Leakage in E-Commerce Transit Packaging](#)

[E-Commerce Packaging Design, Testing & Breakthrough Innovation](#)

[E-Commerce Liquids Packaging](#)

[E-Commerce Cold Chain Packaging](#)

Stress Engineering Services, Inc. (SES) offers an integrated team of experts in creative design, functional engineering, design for manufacturing, materials, cost analysis, and reliability to deliver the highest level of innovation and technical success in developing products and packaging. SES provides expert engineering consulting services for:

- New Product Development
- Material Science
- Risk Assessment
- Human Factors
- Failure Analysis
- Package Development
- Testing
- Industrial Design

SES has extensive laboratory testing capabilities for evaluating materials, product performance, life assessment, and failure analysis. We have extensive simulation capabilities to predict mechanical, thermal, and fluid flow characteristics of complex problems.

**Be on the lookout  
for these future  
topics!**

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Reducing the Cost of  
HPP Package  
Development

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BIPATH - Package/  
Process Design  
Pathway for Pressure/  
Vacuum Management

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[Click here](#) to read our  
previous newsletter on  
Cold Chain Packaging  
Solutions.

To learn more about Stress Engineering Services, Inc., visit our [website](#)  
or contact us at 513-336-6701.

ISO 9001:2015 & ISO 13485:2016 Certified  
ISO 17025:2005 Accredited for Several Test Methods

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