

## Reducing the Cost of HPP Package Development

High Pressure Processing (HPP) is a high pressure sterilization processing technology that is of interest to many food products companies. Until now, HPP package development has relied exclusively on an iterative process of prototyping and package testing, both of which are expensive and time consuming.

Stress Engineering Services, Inc. developed new technology to accelerate development and reduce costs via the application of predictive computational methods, frequently referred to as 'in-silico' performance simulation testing. In-silico is intended to connote a process where digital computing (i.e. silicon wafers) is used to predict the performance of packaging (in computational space), rather than rely exclusively on physical trial-and-error testing as a means of advancing a design during development. This approach is intended to rapidly provide directional support to the package development process by eliminating some or all of the trial-and-error iterations leading to significantly reduced risk and accelerated schedules.

Read more [here](#).

## Upcoming Events



### NPE2018: THE PLASTICS SHOW

May 7-11, 2018 | Orlando, Florida USA

[NPE.org](#) #NPE2018

May 7-11, 2018 | Orlando, FL  
South Hall Booth #S26157

Click [here](#) for a free guest pass or enter promo code 4556 when registering.

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

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Digital Transformation

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[Click here](#) to read our  
previous newsletter on  
E-Commercializing  
Your Existing Packages

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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