



ATLANTIC

P A C K A G I N G
S O L U T I O N
C E N T E R





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WES CARTER

The truly unique thing we're doing with the Packaging Solution Center is investing in cutting edge unit load testing equipment.



STEWART WHITMIRE

This testing equipment is crucial for load unitization and product protection throughout a wide range of products and industries.

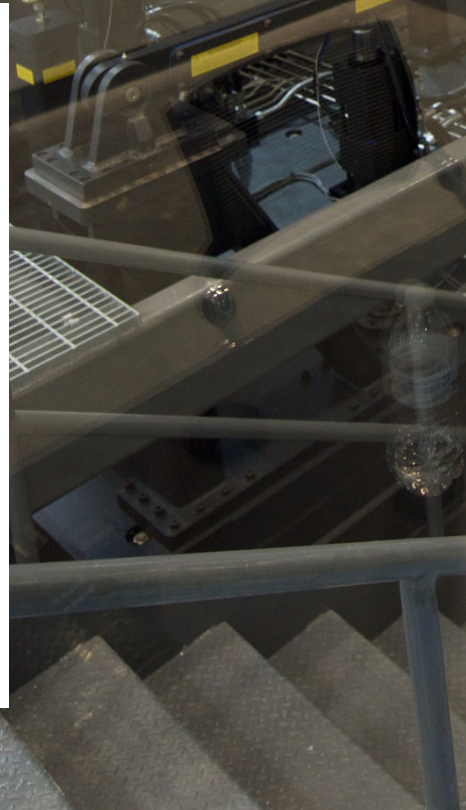
TRUMOTION Transportation Simulator

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**Damage from load failure
is costing the US food
and beverage industry
\$7.2 billion every year.**

Atlantic has invested in the packaging industry's only multi-axis TruMotion Transportation Simulator designed to simulate real-world transit conditions. We teamed up with Lansmont, the leading company in multi-degree of freedom vibration testing systems typically used for NASA and the military.

This level of testing precision allows us to formulate a standard that includes the right film and machine settings that can withstand real-world transit conditions. For the first time ever in the packaging industry, we can create proven standards for load containment.





TRUMOTION

M2 M3

TRUMOTION

Acceleration Sled

LOAD STABILITY

The TruMotion Acceleration Sled simulates dynamic braking as well as rail car coupling. The sled recreates the real life dynamic forces that are applied to a load, and records the motion with cameras and sensors. This data is then

slowed down and analyzed to determine the exact moment where a load is failing.

After analysis, we can use the resources in our Film Lab and find the optimal wrap pattern with our stretch wrappers to protect the load.



For the first time ever in the packaging industry, we can create **proven standards** for load containment.



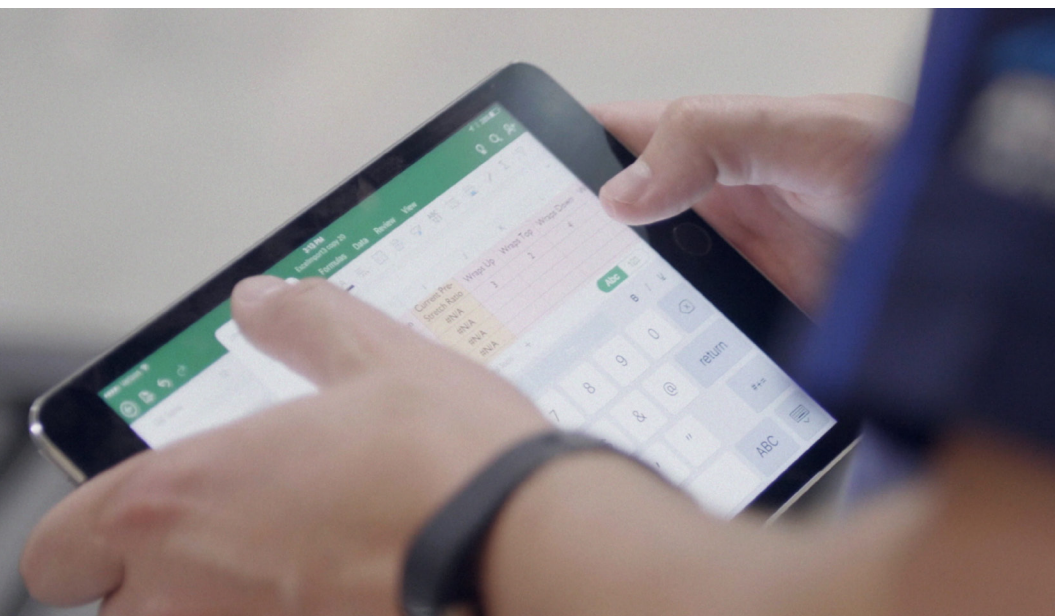


FILMLAB

DATA DRIVEN RESULTS

Atlantic's Film Lab is headed by John Cook, a polymer chemist who has been innovating polyethylene resins and films since 1973. Our Film Lab combines his expertise with cutting edge testing equipment, including the ESTL FPT-750. This is the most sophisticated piece equipment of its kind that exists and is only the 2nd one in the United States

In addition to high-level testing of stretch films, we also test poly bags and a range of other films. Our goal is to closely study film properties to see how we can improve performance to find the best product protection with optimal material usage.



MUST

MUST ends the unknown

MUST Monitoring is Atlantic's patented hardware and software data recording system that monitors every load wrapped on a given stretch wrapper. It records the amount of film that's applied and graphs this data in real time.

During the audit and testing, we set the standards that will maintain load unitization and prevent damage during shipping. Measurement and monitoring in real-time over the long term has the greatest impact on performance, damage prevention, and cost savings.

If a load is wrapped out of the engineered benchmark, we'll know immediately. MUST Monitoring gives our experts the necessary tool to communicate with customers and ensure that no load ever leaves their facility with improper stretch film application.



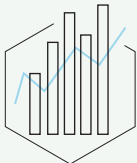
AUDIT



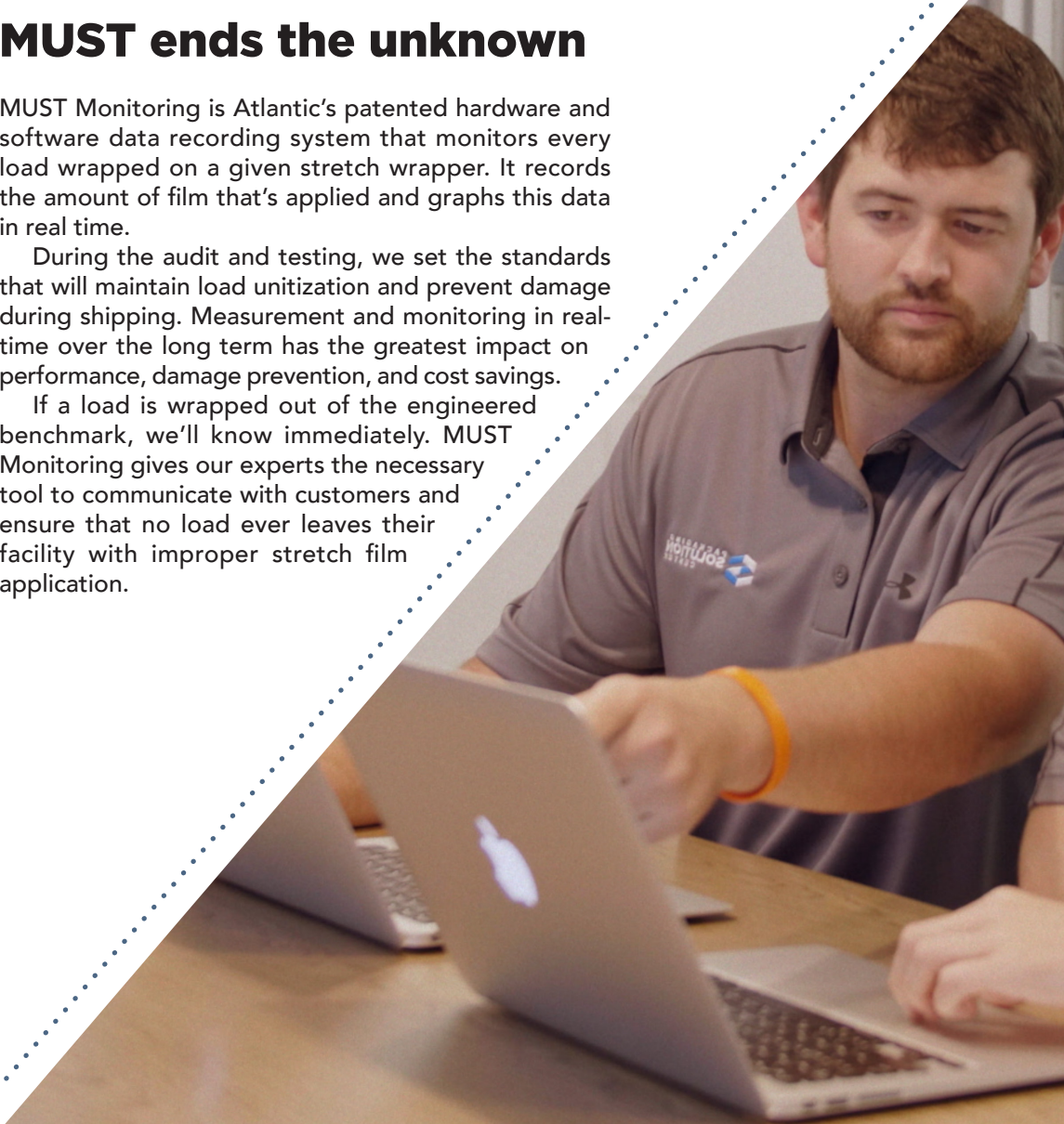
TEST



OPTIMIZE



MONITOR




MUST



STRETCH UNIVERSITY

AN EDUCATION IN PRODUCT PROTECTION

Stretch Film University is a program developed by experts in our stretch packaging field. Customers are invited to come to our Charlotte, NC facility to get a close-up look at our data-driven approach to stretch wrapping. We start with an informative presentation, then demonstrate a variety of wrap patterns and settings on our test equipment.

We also show how tracking material usage will help keep customers'

stretch operation in optimal performance.

This comprehensive training session is ideal for engineers, operators, procurement specialists, and management and can be customized to meet your specific needs and interest level. The session is designed to help you make more informed decisions about your materials, equipment, and process to ultimately cut costs, reduce damage, and improve efficiency.

Every Stretch University session is individually tailored so you walk away more knowledgeable about your own stretch wrapping and film application process than ever before.

We break down the science of effective stretch wrapping to help you reduce damage and save on material costs.







E-COMMERCE

With e-commerce growing more than 20% year-over-year, retailers are facing new and difficult challenges in fulfillment. At the Packaging Solution Center, we'll show you options for right-size boxing, product protection, and keeping up with demand during peak seasons.

SUSTAINABILITY

Minimize waste, reduce your environmental impact, and align with your customers' goals for sustainability by optimizing your boxing and void fill materials. We can demonstrate solutions that not only address the issue of right size boxing, but also automates the packaging process to reduce the time down from 3-5 minutes when done manually.

AUTOMATION

Customers ordering online want a quick turnaround. To remain competitive, you need to be efficient in how you pick and pack the orders. In automating this process using the latest smart technology, Atlantic will help ensure your end-of-line packaging is fast, consistent, and reliable.

PROTECTION

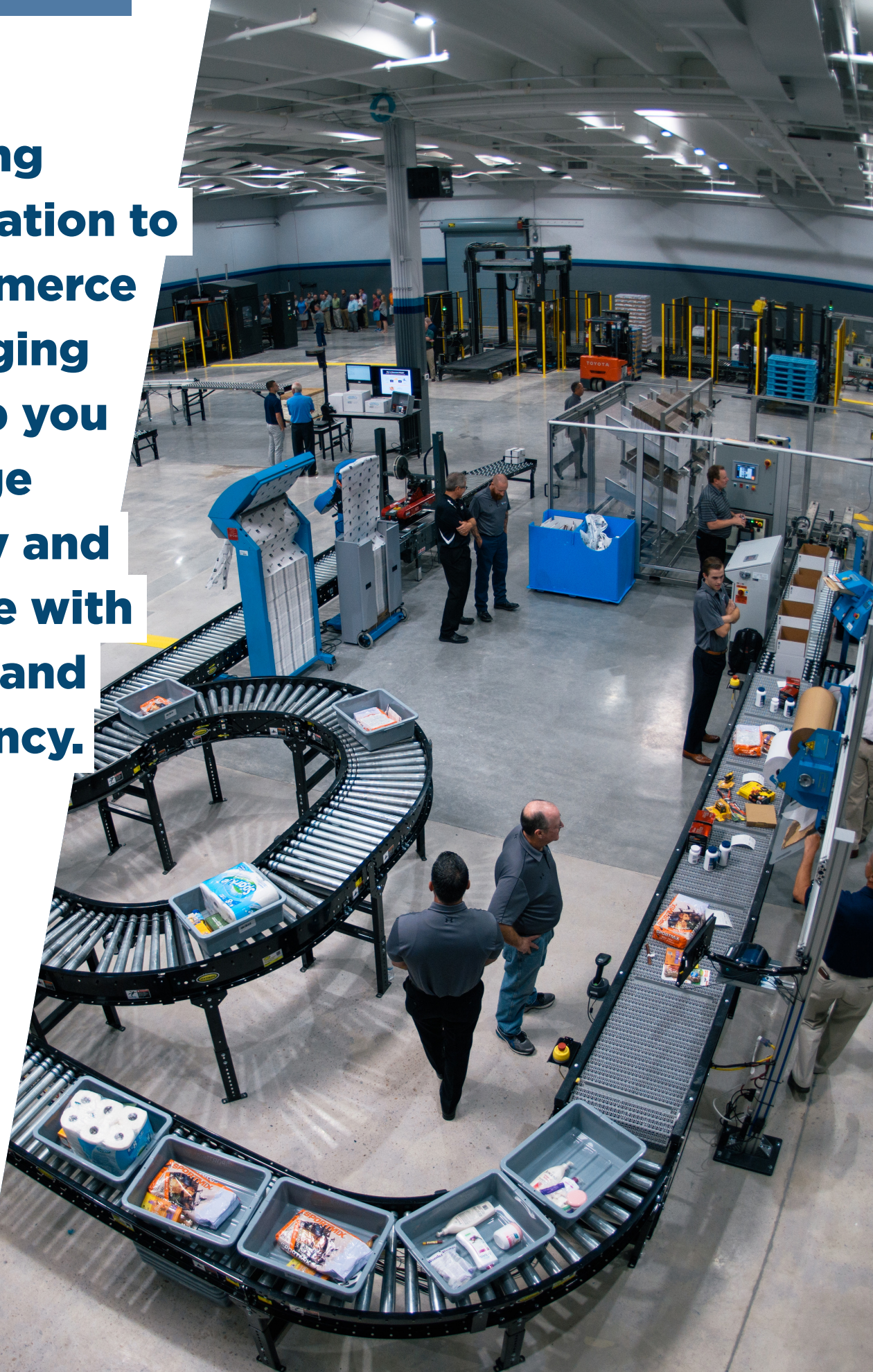
Studies have shown that consumers will associate a damaged product with the brand, not with the carrier. Our e-commerce showroom offers the latest in protective packaging materials and equipment from both Sealed Air and Ranpak to help you choose the solution that will best protect your products.

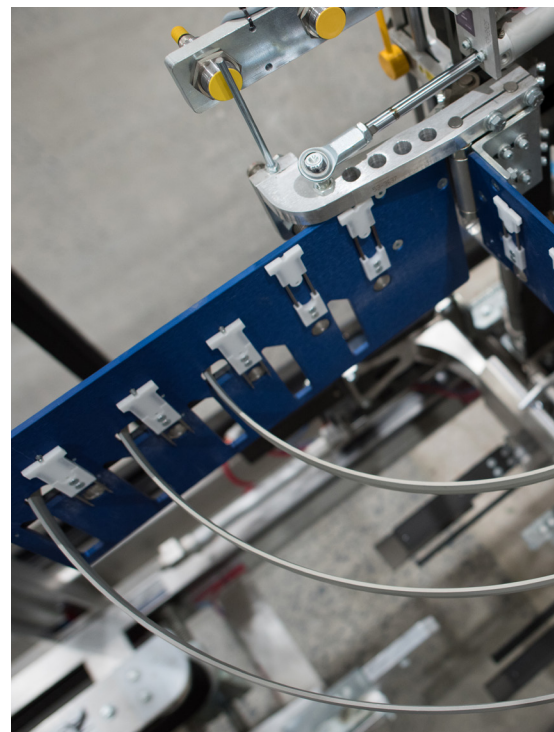
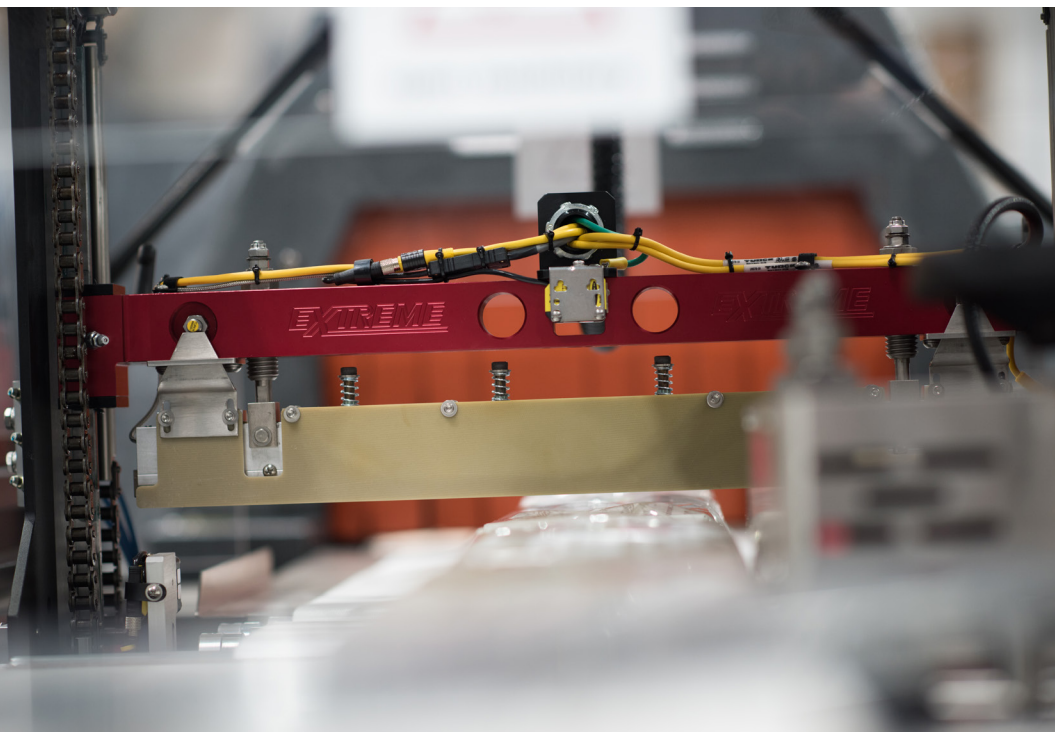
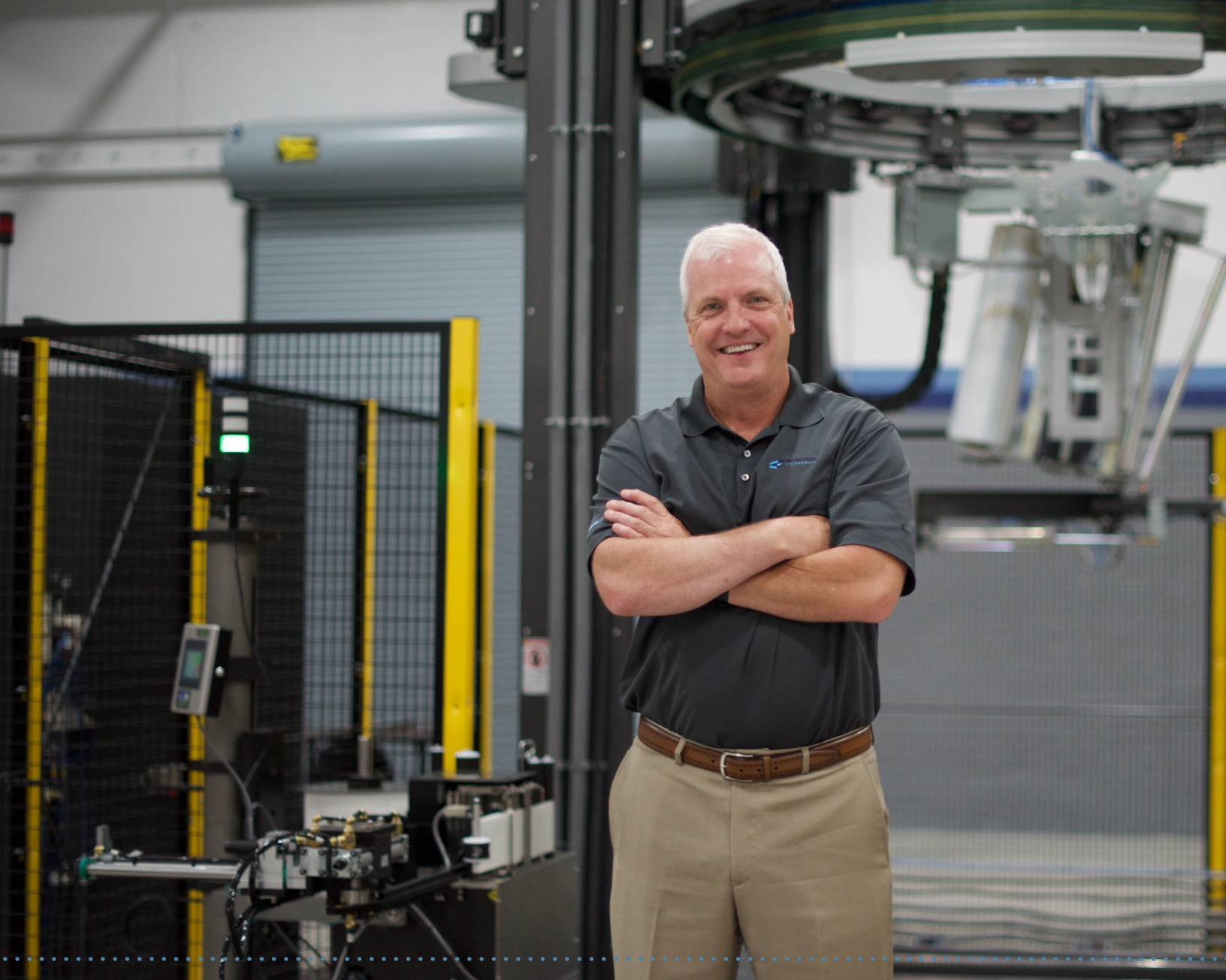
CUSTOMER EXPERIENCE

A big challenge here is how to translate this store experience into the e-commerce experience at the doorstep. We can show you options in branded and customized packaging materials that can help deliver an intimate and memorable customer experience in a box.



**We're
bringing
automation to
e-commerce
packaging
to help you
manage
variety and
volume with
speed and
efficiency.**







End of Line Automation

HIGH SPEED EFFICIENCY

Automation is the answer to high speed, efficient end-of-line packaging handled with minimal manual labor and with optimal consistency and quality.

To demonstrate successful automation, we've integrated a Pearson end-of-pack line with a robotic palletizer and Wulftec stretch wrapping system to handle everything from case erecting and taping, to product sleeving, top loading, carton sealing, palletizing, and stretch wrapping.

The system at the Packaging Solution Center includes the following equipment:

- Case Erecting
- Taping
- Carton Sleever
- Robotic Top Loader
- Case Sealer
- Palletizer
- Conveyor
- Ring Stretch Wrapper
- Horizontal Ring Wrapper

We invite you to make an appointment at the Center to see packaging automation in action and determine how these integrated systems can help your shipping process.



INNOVATION IN ACTION



TRUMOTION

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