



*Plastipak*

consumers first,  
*always!*<sup>™</sup>

SUSTAINABLE OPERATIONS BOTTLE TO BOTTLE APPROACH TO RECYCLING DELIVERING INNOVA  
PROPRIETARY TECHNOLOGIES CUSTOM PACKAGING GLOBAL SUCCESS PARTNERSHIPS TH  
GLOBALLY ENGAGED STRATEGIC LOCATIONS AWARD-WINNING TECHNOLOGY  
DIRECT OBJECT PRINTING THERMOSHAPE AEROSOL TECHNOLOGY THERMA  
DIAMONDCLEAR EPET CONSUMERS FIRST, ALWAYS! FOUNDED IN 1967 50 YEARS OF ENGA  
HEARTS AND MINDS PLASTIPAK ACADEMY CUSTOM SOLUTIONS COMPETITIVE EDGE R  
MAKING BLOW MOLDING ZERO DEFECTS HANDLE APPLICATIONS NON-ROUND NECK FILLING AND C  
EXTRUSION MOLDING INJECTION MOLDING CONSUMERS FIRST, ALWAYS! COMMITMEN  
QUALITY PROVIDING PACKAGING SOLUTIONS THROUGH ENGAGED HEAR  
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INJECTION MOLDING COMMITMENT TO QUALITY PROVIDING PACKAGING SOLUTION  
THROUGH ENGAGED HEARTS AND MINDS CREATING PRODUCTS WHICH INSPIRE CHOICE, PROVID  
ARE SUSTAINABLY BALANCED FOR OUR CUSTOMERS SUSTAINABLE OPERATIONS BOTTLE TO BOTTLE APPROACH  
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CONSUMERS FIRST, ALWAYS! FOUNDED IN 1967 50 YEARS OF ENGAGED HEARTS AND MINDS PLA

Plastipak is a global leader in the plastic packaging and recycling industries with more than 50 years of engaged hearts and minds. With innovation as a key driver, Plastipak operates at more than 60 sites across the globe with operations throughout North America, South America, Europe, Africa and Asia.



*Plastipak*

**providing packaging solutions through engaged hearts and minds**

# A COMPANY BUILT ON GROWTH AND INNOVATION

## a history of family heritage and values



### PLASTIPAK FOUNDED IN 1967

Established in 1967, Plastipak provided innovative, plastic packaging to deliver water. Young family heritage was firmly rooted within the foundation of the company.

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Consumers First, Always! Since 1967

**CLEAN TECH**  
INCORPORATED



1980s

### PLASTIPAK EXPANDS CAPABILITIES

Plastipak established its logistics capabilities with the launch of Whiteline Express. The creation of Clean Tech provided new innovative recycling solutions solidifying Plastipak's commitment to sustainability.

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Recycling Solutions Since 1989

# Plas

# Plastipak



## GLOBAL EXPANSION

Plastipak began adapting transformational platforms, expanded into Europe, developed hot fill technologies, and achieved LEED certification at the Victorville, California site.

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Developing Proprietary Technologies



## PURPOSE DRIVEN GROWTH

With Plastipak sites established on five continents, the company continues to expand its influence in packaging development, production and recycling across the globe.

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6,000+ Associates Worldwide



**a plastipak view**  
*from the sky*

# COMMITTED TO EXCELLENCE FOR OUR CUSTOMERS AND OUR PLANET

## a business in balance with the environment

Plastipak Holdings, Inc. is a leading supplier of plastic containers, manufacturing technologies, equipment, and services. We are one of the largest users of PET and HDPE resin globally and an industrial leader in the production of dynamic custom containers.

The standards and values that marked Plastipak's earliest days remain our guiding principles today. Our history of notable firsts and remarkable achievements was made possible only by way of invaluable connections, trusted relationships, and commitment to excellence.

Guided by our mission statement for more than 50 years, "Providing packaging solutions through engaged hearts and minds," we are proud to be a global leader in the rigid plastic packaging industry while we continue as a business in balance with the environment.

Our corporate initiatives have proven successful in meeting our sustainability goals through a formalized energy conservation program, reducing our volatile emissions, lightweighting our packaging and implementing an aggressive recycling program.

We integrate commitment with breakthrough innovations to create transformational platforms to meet customer demands around the clock and around the world.

We thank our customers for the opportunity to serve, and we look forward to new challenges ahead as we continue to earn your trust in our service.

Sustainability remains at the forefront of our operations. Plastipak is now one of the largest global and highest quality producers of recycled PET materials. With four recycling centers across the globe, Plastipak has substantial recycling capacity.



William C. Young  
President & CEO  
Plastipak Packaging, Inc.



"PLASTIPAK is a  
**GLOBAL LEADER** in the  
**PLASTIC PACKAGING INDUSTRY**  
and a BUSINESS in **BALANCE**  
with the ENVIRONMENT."



**environmentally  
INNOVATIVE**

### OUR MISSION

Providing packaging solutions through engaged hearts and minds.

### OUR VISION

To be the preferred global rigid plastic container enterprise, delivering high-impact results to our markets and stakeholders with extraordinary speed, flexibility, sustainability and value.

### OUR PURPOSE

Creating products which inspire choice, provide value and are sustainably balanced for our customers.



#### **NORTH AMERICA**

GLOBAL BUSINESS AND TECHNOLOGY CENTER  
Plymouth, MI

GLOBAL CAPABILITY CENTER  
Plymouth, MI

#### MANUFACTURING SITES

Alsip, IL  
Atlanta, GA  
Champaign, IL  
East Longmeadow, MA  
Garland, TX  
Havre de Grace, MD  
Highlands, TX  
Jackson Center, OH  
McCalla, AL  
Medina, OH  
Modesto, CA  
Newark, OH  
Ottumwa, IA  
Pineville, LA  
Plant City, FL  
Victorville, CA  
West Chicago, IL  
Westland, MI

#### ON-SITE MANUFACTURING

Garland, TX  
Hazelwood, MO  
Plymouth, MI

#### DEVELOPMENT CENTERS

Alsip, IL  
Jackson Center, OH  
Medina, OH



#### **EUROPE AND AFRICA**

EUROPEAN HEADQUARTERS  
Wrexham, UK

#### MANUFACTURING SITES

Anagni, Italy  
Bascharage, Luxembourg  
Beaune, France  
Bierre, France  
Brecht, Belgium  
El Jadida, Morocco  
Gresford, UK  
Mendig, Germany  
Rudna, Czech Republic  
Toledo, Spain  
Tychy, Poland  
Urlați, Romania  
Verbania, Italy

#### ON-SITE MANUFACTURING

Almeirin, Portugal  
Gouveia, Portugal  
Milan, Italy  
Segovia, Spain  
Sevilla, Spain

#### DEVELOPMENT CENTERS

Brecht, Belgium  
Verbania, Italy

#### TECHNICAL AND SALES OFFICE

Bjarrred, Sweden



#### **SOUTH AMERICA**

SOUTH AMERICAN HEADQUARTERS  
Paulínia, Brazil

#### SALES OFFICES

Buenos Aires, Argentina  
Paulínia, Brazil

#### MANUFACTURING SITE

Paulínia, Brazil

#### DEVELOPMENT CENTER

Paulínia, Brazil



**● ASIA**  
 TECHNICAL AND SALES OFFICE  
 Shanghai, China

CO-MANUFACTURING SITE  
 Shanghai, China

MANUFACTURING SITE  
 İnegöl, Turkey



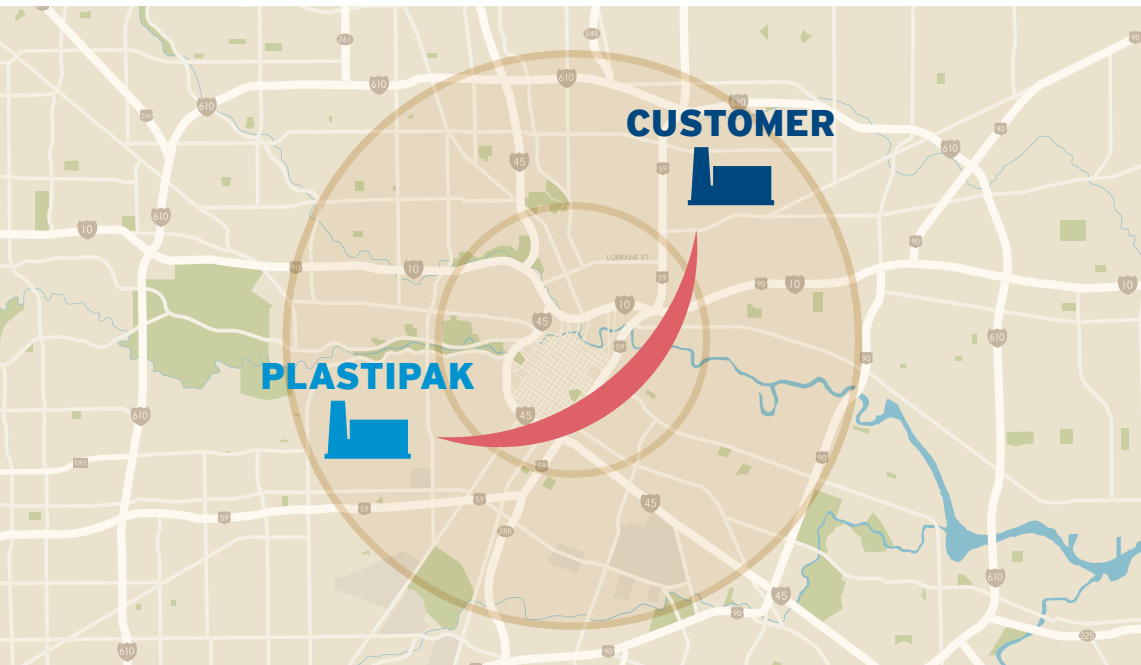
**● AFFILIATES**  
**MANUFACTURING**  
 CASARTA  
 Montevideo, Uruguay

**RECYCLING CENTERS**  
**CLEAN TECH**  
 Dundee, MI  
 Bascharage, Luxembourg  
 Beaune, France  
 Hemswell, UK

**LOGISTICS**  
**WHITELINE EXPRESS**  
 Champaign, IL  
 Jackson Center, OH  
 Medina, OH  
 Plymouth, MI (Headquarters)

GLOBALLY ENGAGED — OUR FACILITIES SPAN THE GLOBE

## CLOSELY LINKED TO OUR CUSTOMERS an efficient model for strategic supply chain management



### STRATEGIC LOCATIONS

Plastipak locations are conveniently located close to our customers, providing a more efficient supply chain model.

### DIRECT ACCESS FOR MAXIMUM EFFICIENCY

Our customers and suppliers have direct access to Plastipak production systems and operational information to allow for better mutual planning and execution.

### GLOBAL CUSTOMER ENGAGEMENT

Plastipak strives for continual communication with customers to adapt to changing needs and to provide excellent, customized service.

### INTEGRATED SYSTEMS

Plastipak is uniquely positioned to provide our customers with end-to-end solutions that can take ideas from inception and prototyping to volume manufacturing.

*Partnerships that*



*Deliver*





**1989**

DuPont's Environmental Award for the first PET container made of 100% PCR resin (rPET)

**1992**

DuPont's Environmental Award for the first food container with 25% PCR content (rPET) for Kraft salad dressing

**2008, 2011, 2012 and 2013**

Excellence Awards from P&G

**2003, 2008, 2009, 2011 and 2012**

DuPont's Packaging Innovation Awards and Recognition

**2010**

AmeriStar's Best of Show Award for Plastipak's Similac SimplePac package at the IOPP

**2013**

One of the 100 Best Corporate Citizens and one of the 150 Best Companies in People Management Practices for Plastipak Brazil

**2014**

DuPont's Gold Award for Technological Advancement and Responsible Packaging for Direct Object Printing

**2014**

Abbott Gold Standard Award

**2014**

Honorable Mention as a Detroit Free Press Michigan Green Leader

**2014**

Gold OPEN Award from Brazilian Packaging in the Non-Alcoholic Beverages category for Nestlé's Ninho Fruti

**2015**

WorldStar Packaging Award in the Food category for Nestlé's Ninho Fruti

**2015**

OPEN Award from Brazilian Packaging for UHT Milk Packaging for Plastipak Brazil

**2015**

OPEN Award from Brazilian Packaging for Aquafast

**2015**

Packaging Oscar in Italy for Norda S.p.a.'s Sangemini brand utilizing Direct Object Printing

## 2015

The Best of Show Award in the PAC Gold Sustainable Packaging category for Plastipak's EPET Simply Orange bottle

## 2015

Shell Supplier of the Year

## 2015

Aerosol Technology:

- Gold Starpack Award in the Materials Innovation category
- Bronze Starpack Award in the Personal Care category
- BAMA (British Aerosol Manufacturer's Association) Aerosol of the Year Award
- Best New Concept Award at the UK Packaging Awards

## 2015

Starpack's Packaging Development Team of the Year for Plastipak's Aerosol Technology team

## 2015

ThermaLite™ jars:

- Bronze Greenstar Sustainable Award from Starpack
- Liderpack Award in the Food Packaging category in Spain for Helios

## 2015

Danone Water Supplier of the Year for Plastipak Poland

## 2015

E-LiquiPACK:

- Gold Starpack Award in the Home, DIY & Gifts category
- Innovation of the Year Award at the UK Packaging Awards

## 2015, 2016 & 2017

Plastipak Brazil recognized by Gestão RH magazine as one of the Most Admired HR Departments in Brazil

## 2016

Worldstar Packaging Awards for E-LiquiPACK, Aerosol Technology Reveal, Nordictan (Aerosol Technology), ThermaLite™ jars, and ThermaLite™ Helios

## 2016

Silver OPEN Award from Brazilian Packaging for Heinz Mayonnaise for Plastipak Brazil

## 2016

Bronze OPEN Award from Brazilian Packaging for Jussara Jump PET bottles

## 2016

Coca Cola Canada Supplier of the Year for Primary Packaging

## 2017

DuPont Silver Award for Packaging Innovation for Direct Object Printing

## 2017

Save Food Award and Packaging of the Year Award for multilayer PET wine bottles for Plastipak Czech Republic



# INTELLECTUAL PROPERTY

**intellectual property represents significant business value**

## SECURING VALUABLE ASSETS

Plastipak's intellectual property represents a significant component in its global business strategy. We continually develop and patent new technology, create goodwill, build product differentiation, and advance opportunities to secure valuable intellectual property assets.

## IMPRESSIVE PATENT MAGNITUDE

We have been awarded over 500 U.S. patents and over 1,000 patents internationally. Patent protection serves to keep the new technologies we develop proprietary, giving us a window of competitive advantage.

## PLASTIPAK PATENT PORTFOLIO RANKS IN TOP 10

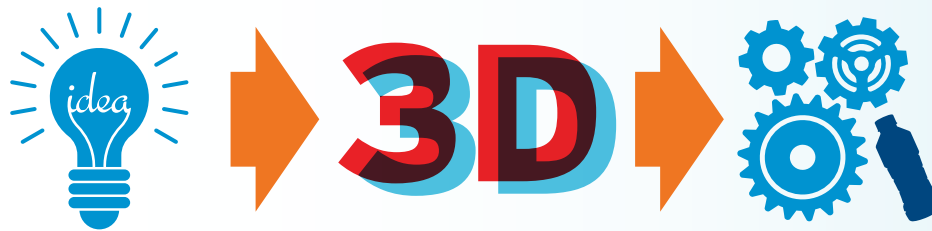
Ocean Tomo, an intellectual property valuation firm, teamed up with Crain's Detroit Business to rank patent portfolios for companies in Southeast Michigan, in which Plastipak ranked #7.





# PLASTIPAK'S WALL OF PATENTS

# **SPEED** to **MARKET**



# CONCEPT TO MARKET

## CONCEPT TO MARKET PROCESS

Concept to Market ensures a smooth process for new packaging projects, from the initial idea, to research and testing, to preparation for production.

## A SPIRIT OF INNOVATION

Plastipak listens intently to our customer's requests and finds creative ways to solve problems and create innovative designs. Successful solutions start with ideas from the Concept to Market team and end up on store shelves.

## SPEED TO MARKET

Concept to Market's expert designers work efficiently to deliver quick speed to market with a focus on quality, innovation and functionality.



commitment to innovation

# GLOBAL CAPABILITY CENTER

## the intersection of capacity and ability

### CENTRALIZED LOCATION TO SHOWCASE PRODUCTS AND PROCESSES

The Global Capability Center was established to design packages that win on the shelf by leveraging the supply chain and showcasing the value Plastipak creates to de-risk brand owners. Located in Plymouth, Michigan, it allows customers to visualize our technologies and the value they deliver to the marketplace. Customers benefit from a focused demonstration of both products and processes.

The Global Capability Center is a centralized location for Plastipak's creative packaging teams to work together to develop innovative packaging solutions.

### THE GLOBAL CAPABILITY CENTER

- Helps brand owners understand our priorities of technology and how it is employed both in our operations and in our products
- Directs Plastipak's business to be successfully driven by innovative technology and organizational development
- Demonstrates trusted capabilities to allow customers to make decisions with confidence in Plastipak

### FEATURED TECHNOLOGIES

Customers experience practical demonstrations of our most important technologies, including:

- Direct Object Printing
- Hot Fill EPET
- Creative Package Studio
- ThermoShape™
- Filling & Capping
- Virtual Reality Simulation



GLOBAL CAPABILITY CENTER





## DRIVING A CULTURE OF QUALITY

**world-class engineering for the world's most respected brands**

### ADVANCED QUALITY SYSTEMS

Plastipak invests in technology, people and processes that keep us at the forefront of our industry in product quality.



## PATHWAY TO ZERO DEFECTS **ensuring unmatched precision**

### EXCEPTIONALLY HIGH STANDARDS

Plastipak's Pathway to Zero Defects initiative sets unrivaled standards for quality control. This exceptionally high standard results in superior supply chain efficiency, reliability and customer satisfaction. Our prioritization of quality is reflected in our rigorous testing and dedication to Zero Defects.



**ZERO**   
**DEFECTS**



SERVING THE INDUSTRIAL MARKET  
**hardworking packaging for hardworking brands**



consumers first,  
*always!*<sup>™</sup>

## PLASTIPAK ACADEMY empowering our associates worldwide



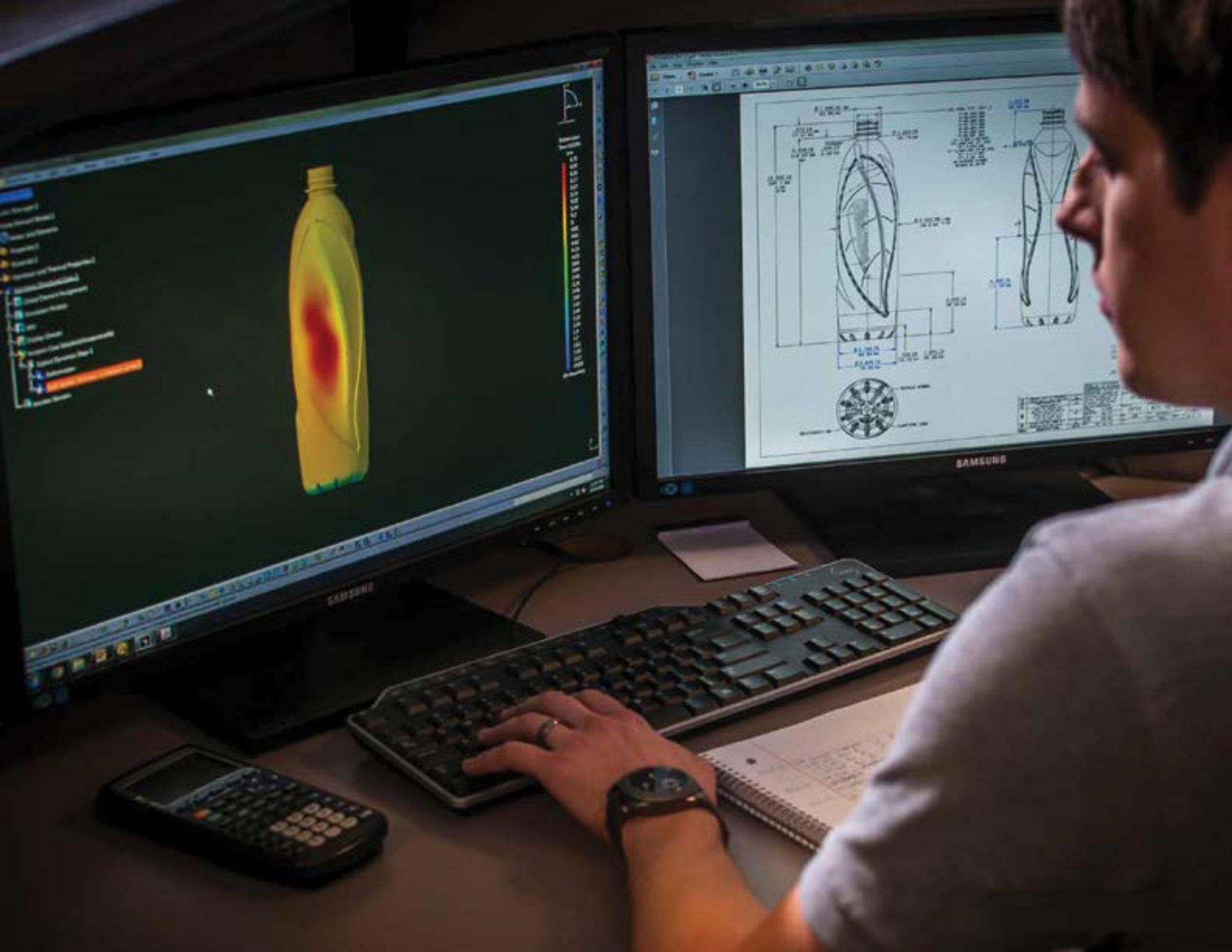
### DEVELOPING LEADERS THROUGH HIGHER LEARNING

Plastipak Academy is our internal institution of higher learning. Its purpose is to equip leaders throughout our enterprise with the skills required for professional and personal growth.

### INNOVATIVE TRAINING

We provide access to industry innovations and hands-on training from technical know-how to managerial best practices. The Academy has been recognized with an Exemplary Practice Award for Innovation and Excellence from CorpU.







SERVING THE PERSONAL CARE MARKET  
**luxurious packaging for luxurious moments**



consumers first,  
*always!*™

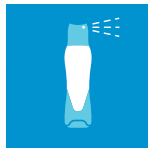
# PLASTIPAK CAPABILITIES

## technology-driven success

### PROVIDING CUSTOM SOLUTIONS THROUGH INNOVATIVE TECHNOLOGY

Plastipak proactively develops packages that give our customers a competitive edge with added functionality and improved package designs.

#### Innovative Technologies



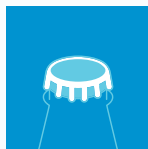
#### AEROSOL TECHNOLOGY

A revolutionary technology for PET aerosol containers.



#### BARRIER TECHNOLOGIES

A wide range of barrier technologies protect product flavor, nutrients, and color.



#### CROWN FINISH

An ideal PET packaging option for products that cannot be resealed for safety reasons.



#### DIAMONDCLEAR™

Brilliant glass-like transparency combined with barrier protection.



#### DIRECT OBJECT PRINTING

Eco-friendly printing offering customization while eliminating label substrates.



#### DROPPER BOTTLES

Multipurpose dropper bottles with UV barrier for a wide range of uses.



#### E-LIQUIPACK™

A safe, leak-free packaging system for electronic cigarettes.



#### EPET

Combining the benefits of PET with extrusion molding capabilities.



#### HANDLE APPLICATIONS

Customizable handle designs for consumer convenience.



#### LACTOECLIPSE™

Protection for liquid dairy from clear PET to 100% barrier.



#### SELF-DISPENSING TECHNOLOGY

Unique dispensing technology offers easy liquid release in stackable packaging.



#### THERMALITE™

Lightweight PET jars can be hot or cold filled for products requiring pasteurization.



#### THERMOSHAPETM™

A sustainable solution for hot fill packaging.

## Decoration Technologies



### DIRECT OBJECT PRINTING

Eco-friendly printing offering customization while eliminating label substrates.



### EMBOSSING AND DEBOSSING

Conveying brand identity in both visual and tactile ways for a premium look and feel.



### LASER MARKING

High-quality white marking on PET packaging for impact without ink.



### SCREEN PRINTING

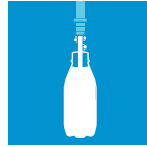
Screen printing directly on the bottle with the ability to print all the way around the bottle.



### TRADITIONAL LABELS

Offering a range of traditional labeling technologies to meet the varying needs of our customers.

## High Volume Manufacturing Capabilities



### FILLING AND CAPPING

Plastipak has a long history of satisfying filling and capping requirements.



### HDPE TECHNOLOGIES

Plastipak's proprietary extrusion systems allow for innovative HDPE packaging.



### HOT FILL TECHNOLOGIES

Benefiting beverages that require a hot fill application with an extended shelf life.



### INJECTION MOLDING

Manufacturing high volumes of a wide range of clear and colored preforms around the globe.



### NON-ROUND NECK

Trimming technology provides a unique packaging shape.



### PET TECHNOLOGIES

High-output manufacturing, packaging customization, and sustainable PET packaging options.

## Sustainable Solutions



### LIGHTWEIGHT NECK FINISHES

Lightweight preforms and bottles significantly reduce overall material consumption.



### POST-CONSUMER RECYCLED RESIN

Manufacturing high-quality post-consumer recycled PET resin (PET PCR or rPET) and HDPE resin (HDPE PCR or rHDPE) using state-of-the-art technology.

# Plastipak



SERVING THE AUTOMOTIVE MARKET  
**functional packaging to keep you on the go**



consumers first,  
*always!*<sup>™</sup>

## THERMOSHAPETM revolutionary patented technology

### THERMOSHAPETM ADDS ECONOMY AND FLEXIBILITY

Plastipak's revolutionary patented technology makes it possible to hot fill lightweight PET containers.



“The alternative to beverage aseptic filling, beverage preservative and glass bottle hot filling usage.”

# ThermoShape™

PRODUCT INTEGRITY  
COST EFFECTIVENESS  
BRAND-BUILDING DESIGN FLEXIBILITY

## DIRECT OBJECT PRINTING

**patented and sustainable printing capabilities**



SAMPLE OF OUR  
SHOULDER PRINTING PROCESS



“Direct Object Printing is the next generation variable data printing solution for rigid plastic containers.”

### TRADITIONAL LABEL ELIMINATION

Full front, back panel and shoulder printing capabilities eliminate the need for traditional labels, shortening the supply chain.

### INCREASED CONSUMER ENGAGEMENT

Direct Object Printing offers quick customization on PET and HDPE for powerful promotional opportunities.

### AWARD-WINNING SUSTAINABILITY

The use of environmentally friendly ink and the elimination of label substrates earned DuPont’s Gold Award for Technological Advancement and Responsible Packaging.

### EFFICIENT CUSTOM PRINTING

New designs from customers can be added in seconds without stopping the printing process using this high resolution, 4-color printing process.



SERVING THE BEVERAGE MARKET  
**refreshment meets functionality**



consumers first,  
*always!*™

## DIAMONDCLEAR™ TECHNOLOGY aesthetic advantage with barrier protection



### BARRIER TECHNOLOGY WITH EXCEPTIONAL CLARITY

Plastipak has redefined the category of high-performance PET packages for a wide range of shelf-stable foods and beverages with DiamondClear™ technology. DiamondClear™'s durable monolayer structure provides PET packaging solutions with clarity, barrier performance and sustainability.

### DIAMONDCLEAR™ PERFORMANCE

- Weighs as little as one-tenth of a comparably-sized glass package
- Significant transport cost savings
- Reduced carbon footprint
- Fully recyclable
- Exceptional clarity
- Advanced barrier protection
- Monolayer structure eliminates potential aesthetic and performance issues

## EPET TECHNOLOGY

**an optimal balance in aesthetics and speed to market**



### PROPRIETARY WHEEL TECHNOLOGY

Plastipak merges the best of both worlds to create EPET packaging solutions using PET in existing extrusion molding technology. EPET technology provides high levels of output using Plastipak's proven G.E.M. Pak Wheel.

### EPET ADVANTAGES

Approved for food and beverage products, EPET containers can be clear, allowing the product to be fully visible to consumers. These fully recyclable containers offer unique shapes and sizes along with handleware and Wide Mouth options for both food and non-food products.



SERVING THE FOOD MARKET  
**maximum flavor from the store shelf to your back yard**



consumers first,  
*always!*™

# THERMALITE™ TECHNOLOGY

## sustainable alternative for products requiring pasteurization

### LIGHTWEIGHT PET JARS

Award-winning ThermalLite™ jars offer a sustainable alternative to glass for products requiring pasteurization. These lightweight jars can be hot or cold filled at temperatures up to 95°C.

### THERMALITE™ BENEFITS:

- 85% lighter than glass jars for significant transport cost savings
- Substantial carbon footprint savings
- Shatterproof
- Transparent
- Uses regular twist-off metal caps
- Easy to grip, pour and hold



# AEROSOL TECHNOLOGY

## a revolutionary aerosol container

### MARKET-CHANGING AEROSOL TECHNOLOGY

Plastipak's award-winning Aerosol Technology is a market-changing technology for aerosol containers. A lightweight alternative to tin-plate or steel, these PET aerosol containers are revolutionary.

### SIGNIFICANT AEROSOL TECHNOLOGY ADVANTAGES:

- Can be transparent, opaque, clear or colored
- Available for home, personal care, food, and industrial applications
- Warm, soft touch
- Rust-free
- Dent-free





SERVING THE SPECIALTY BEVERAGE MARKET  
**ideal packaging for special occasions**



consumers first,  
*always!*™

## HDPE TECHNOLOGIES

**innovative technologies maximize efficiency**

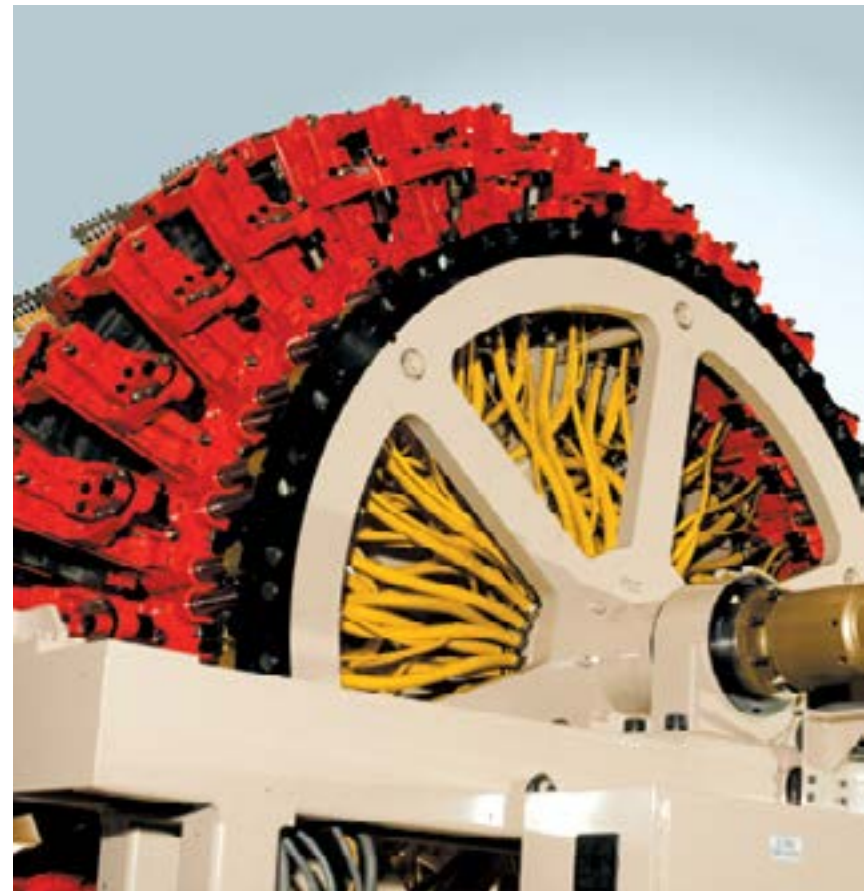
### EXTRUSION MOLDING TECHNOLOGIES

Plastipak's extrusion molding technology offers size flexibility for high volumes of HDPE containers with quick speed to market.



### PROPRIETARY WHEEL TECHNOLOGY

With increased flexibility from our new quick-change molds, these platforms are well-suited to manufacture a wide variety of container shapes and sizes.



## PET TECHNOLOGIES

### high output manufacturing

#### COST-EFFECTIVE CUSTOMIZATION WITH SPEED TO MARKET

Plastipak's PET technologies offer surface barriers to provide added product protection against oxygen while maintaining maximum flavor and freshness. Our heat set technology extends the shelf life for processed beverages requiring a hot fill application.





SERVING THE FOOD MARKET  
**taste and look of fresh keeps products flavorful and vibrant**



consumers first,  
*always!*™

## SUSTAINABILITY EFFORTS an unwavering commitment to the environment

Plastipak Sustainability



### WEIGHT REDUCTION

Plastipak is committed to continuously reducing container weight through lightweighting and redesign initiatives.

### LEED CERTIFICATION

The building standards of our manufacturing sites are more sustainable as we work to meet LEED Gold certification at our facilities.

### RECYCLED CONTENT

We recycle bottles into PET and HDPE resin, saving 20 billion containers from global landfills each year.

# GLOBAL LEADER IN PLASTICS SUSTAINABILITY

## post-consumer recycled resin

### MAXIMIZING THE REUSABLE CHARACTERISTIC OF PLASTICS

Due to Plastipak's extensive experience, we are able to produce bottles and preforms containing up to 100% post-consumer recycled resin (rPET and rHDPE). By using recycled material, Plastipak keeps millions of pounds of materials from ending up in landfills each year.

### POST-CONSUMER RECYCLED RESIN PRODUCTION

Plastipak's resin making capabilities provide our customers with environmentally friendly packaging options. Plastipak recycles packaging and produces post-consumer recycled PET resin (PET PCR or rPET) and HDPE resin (HDPE PCR or rHDPE).



**"BILLIONS OF BOTTLES REPURPOSED ANNUALLY."**



SERVING THE CONSUMER CLEANING MARKET  
**efficient packaging for easy cleanup**



consumers first,  
*always!*<sup>™</sup>

## CLEAN TECH worldwide recycling

### BOTTLE-TO-BOTTLE APPROACH TO RECYCLING

Our affiliate and dedicated recycling center, Clean Tech, is one of the top five plastic recyclers in the U.S., recycling both PET and HDPE. Using state-of-the-art recycling systems and technologies, high-quality post-consumer recycled PET resin (PET PCR or rPET) and HDPE resin (HDPE PCR or rHDPE) is easily converted back into containers for food, laundry detergent, household cleaners, and other common products.

### GLOBAL RECYCLING CENTERS

Plastipak's global recycling capabilities are solidified with the recent additions of recycling centers in Beaune, France and Hemswell, UK, making us the largest producers of food-grade recycled resin in both France and the UK. These strategic additions join our existing European operation in Bascharage, Luxembourg. All facilities reclaim plastic products to produce high-quality PET and HDPE PCR materials (rPET in European markets) in our effort to supply sustainable packaging options to our customers.

**Hemswell, UK**

**Dundee, MI**

**Bascharage, Luxembourg**

**Beaune, France**

**“CLEAN TECH’S RECYCLING KEEPS 20 BILLION PLASTIC CONTAINERS OUT OF LANDFILLS ANNUALLY.”**

GLOBAL RECYCLING CENTERS  
**CLEAN TECH**

## WHITELINE EXPRESS

charting a road to success

more than 300 trucks  
and 1,300 trailers offering  
nationwide service

### DELIVERY THAT MATTERS

Our trucking company, Whiteline Express, Ltd., was founded in 1984 to provide Plastipak a strategic advantage in transportation and logistics support. A vital affiliate, Whiteline Express is mindful of conducting fuel-efficient, sustainable operations.

### EPA SMARTWAY PARTNERSHIP

- Integrates biodiesel fuel, improves efficiency, decreases emissions
- Eliminates millions of metric tons of CO<sub>2</sub> emissions
- Educates drivers on energy-efficient techniques to reduce carbon footprint
- Promotes environmentally-friendly deliveries





*Plastipak*  
HOLDINGS INC.

Global  
Business and  
Technology  
Center



SUSTAINABLE OPERATIONS BOTTLE TO BOTTLE APPROACH TO RECYCLING DELIVERING INNOVA  
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