

welcome to the **WORLD OF PLASTIPAK**



packaging innovation & recycling solutions

2019-2020

Plastipak

Plastipak

**creating products which inspire choice, provide value
and are sustainably balanced for our customers**

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. The Young family heritage is firmly rooted within the foundation of the company.

Consumers First, Always! Since 1967



PLASTIPAK EXPANDS CAPABILITIES

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

Recycling Solutions Since 1989

Plas

tipak



GLOBAL EXPANSION

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

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. The Global Capability Center was established in 2017 to leverage the supply chain and de-risk brand owners.

6,000+ Associates Worldwide



MORE THAN 30 YEARS OF COMMITMENT TO SUSTAINABILITY



innovation

packaging

recycling

more than 40 manufacturing sites
across the globe

COMMITTED TO EXCELLENCE FOR OUR CUSTOMERS AND OUR PLANET

a business in balance with the environment

Plastipak Holdings, Inc. is a global leader in PET and HDPE plastic containers, the recycling industry, manufacturing technologies and resin making. Our company consistently reinvents methods, technologies and materials to create sustainable packaging solutions.

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 and recycling industries 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
AND **RECYCLING** INDUSTRIES
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



SOUTH AMERICA

SOUTH AMERICAN HEADQUARTERS
Paulinia, Brazil

SALES OFFICES

Buenos Aires, Argentina
Paulinia, Brazil

MANUFACTURING SITE

Paulinia, Brazil

DEVELOPMENT CENTER

Paulinia, Brazil



EUROPE AND AFRICA

EUROPEAN HEADQUARTERS
Wrexham, UK

MANUFACTURING SITES

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

ON-SITE MANUFACTURING

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

DEVELOPMENT CENTERS

Brecht, Belgium
Verbania, Italy

TECHNICAL AND SALES OFFICE

Bjarred, Sweden

from michigan to the americas

collaborating with europe and africa



reaching new horizons in asia

innovating and recycling with our affiliates



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

CO-MANUFACTURING SITE
Shanghai, China

MANUFACTURING SITE
Inegol, 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)



PLASTIPAK'S GLOBAL RECYCLING CENTERS HAVE RECYCLING CAPACITY OF OVER 20 BILLION BOTTLES PER YEAR.

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



PLASTIPAK AWARDS

1989

 DuPont's Environmental Award for the first PET container made of 100% post-consumer recycled PET resin (PET PCR or rPET)

1992

 DuPont's Environmental Award for the first food container with 25% post-consumer recycled PET resin (PET PCR or 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

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 ABRE "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

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

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

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

ABRE "OPEN" Award from Brazilian Packaging for Aquafast

2015

Shell Supplier of the Year

2015

Starpac'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 ABRE "OPEN" Award from Brazilian Packaging for Heinz Mayonnaise for Plastipak Brazil

2016

Bronze ABRE "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

2017

Bronze ABRE "Open" Award for Technology in Food and Beverage Packaging from Brazilian Packaging for Helios Water

2017

 **Sustainability Merit of Honor from Jussara in Project ReCiclo**

2017

WorldStar Award for Heinz 400g PET Mayonnaise Jar for Plastipak Brazil

2017

Top Bottle Transformer Award by Prêmio Plásticos em Revista (PPR) Award for Plastipak Brazil

2017

Operational Excellence Award by Kaizen Institute for Plastipak Brazil



PLASTIPAK EARNS RECOGNITION NOT ONLY FOR PACKAGING INNOVATION, BUT ALSO FOR SUSTAINABILITY ACHIEVEMENTS.



CREATIVE PACKAGE STUDIO

from brainstorm to prototype. let's create together.

ABOUT THE CREATIVE PACKAGE STUDIO

Our in-house team consists of talented industrial designers, graphic designers, developers and creatives. We regularly evolve and approach each challenge with an open mind. As technologies and trends continue to shift, we constantly improve and build upon our framework for solving problems.

ADAPTABLE

We understand the brand owners' goals and their audiences by bringing fresh insights into their packaging design.

DETAIL-ORIENTED

We focus on transforming brand owners' and their customers' experiences by building a package design that thrives.

TRAILBLAZERS

We ignite the fire to help brand owners find their true potential by combining our capabilities into a single solution.

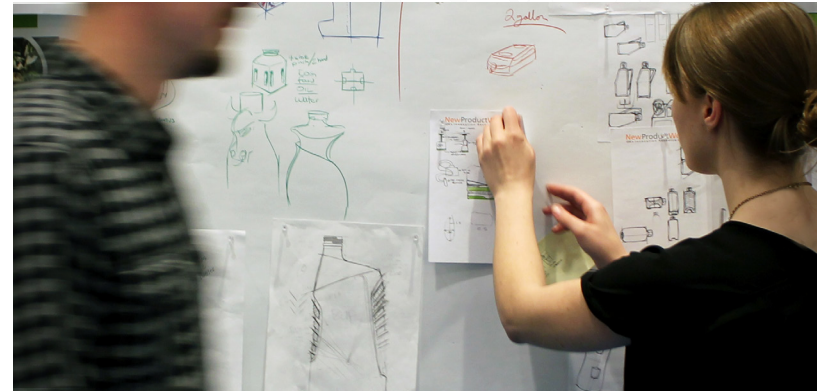


CREATIVE PACKAGE STUDIO

studio sessions

IDEATION

Let's explore together during the initial Phase 1 of a studio session. With deep knowledge of packaging trends, we help guide brand owners through the brainstorming process of ideation. This will include market research, trends of competitors and innovative ideas.



SKETCHING

Let's bring those big and bold ideas to work. Ideating side by side with brand owners, building momentum towards concepts for a new/revamped packaging design.

We listen and then deliver exactly what the customer is thinking.



RENDERING

We bring those collaborative ideas to life by taking the sketches and turning them into CAD models and render them into realistic images.

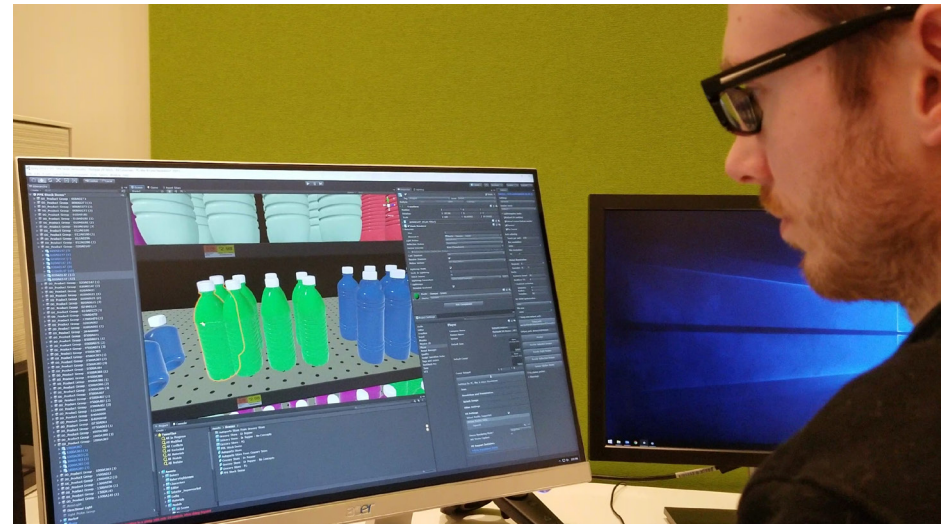
We use the most up-to-date software to ensure we provide our customers with the best experience possible.



VIRTUAL REALITY

With the CAD model created, we can place them into our Virtual Reality market simulation. This helps identify the right concept that is placed next to competitive products in a life-like planagram environment.

This environment helps identify the First Moment of Truth into a virtual environment before waiting around for molds to be cut and sample bottles to be blown. Together, we can get it right the first time.



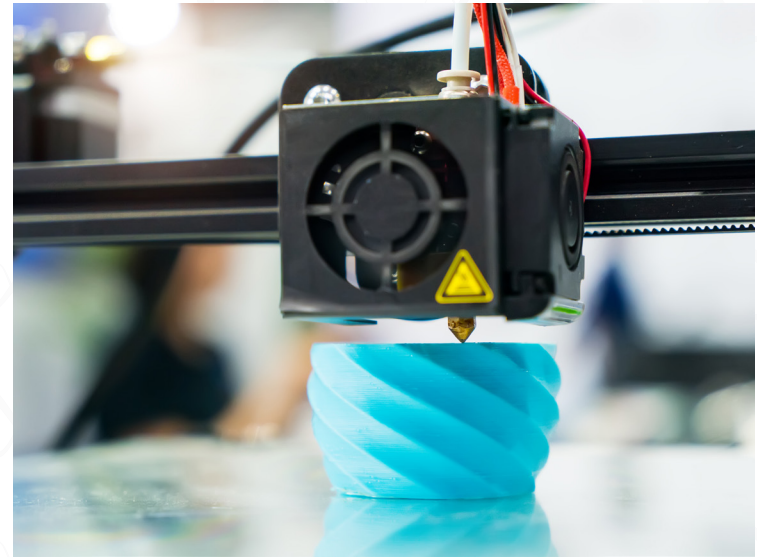
CREATIVE PACKAGE STUDIO

leveraging the supply chain

3D PRINTING PROTOTYPE

From dozens of sketches down to a handful of CAD models, select the final few concepts to hold and feel in your hands to make that final decision.

With in-house 3D printers, we are able to provide prototypes and understand the ergonomics of that container to completely understand the form going into manufacturing.



LEVERAGING THE SUPPLY CHAIN

COMBINING OUR CAPABILITIES INTO A SINGLE SOLUTION.



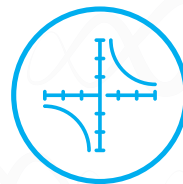
Design Research
& Focus Group
Knowledge



Emotional
Ideation with
End Consumers
in Mind



Applying Brand
Owners Needs &
Desires



Engineering &
Manufacturing
Instant Feedback



Concept Ready
for Manufacturing



V/R Prototyping
Simulation



who we are: we are manufacturers of y

SERVING THE CARBONATED SOFT DRINKS AND WATER MARKETS



our take-anywhere refreshment packaging.

consumers first,
always![™]

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.

GLOBAL CAPABILITY CENTER ADVANTAGES:

- 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.

TECHNOLOGIES

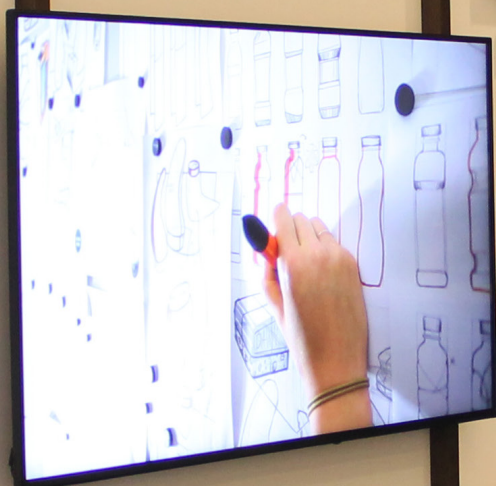
Customers experience practical demonstrations of our most innovative technologies, including:

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



GLOBAL CAPABILITY CENTER
SHOWCASING SUSTAINABILITY-DRIVEN
TECHNOLOGIES







who we are: we are producers of special occasions

SERVING THE ALCOHOLIC BEVERAGES MARKET



occasion packaging for moments worth celebrating.

consumers first,
always![™]

PLASTIPAK ACADEMY

empowering our associates worldwide

PLASTIPAK ACADEMY

OUR MAP, YOUR JOURNEY

DEVELOPING LEADERS THROUGH HIGHER LEARNING

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

INNOVATIVE TRAINING

Plastipak Academy launches new programs regularly addressing both technical and managerial learning initiatives, while fostering an engaging environment. The Academy has been recognized with an Exemplary Award for Innovation and Excellence from CorpU.





THE PLASTIPAK ACADEMY PREPARES ASSOCIATES TO PURSUE
THE DEVELOPMENT OF LIGHTWEIGHT PACKAGING.



who we are: we are designers of sust

SERVING THE PERSONAL CARE MARKET



tainable packaging for your daily routines.

consumers first,
always![™]

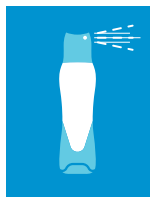
PLASTIPAK CAPABILITIES

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

PET aerosol containers for a broad variety of applications. **Lightweight aerosol packaging with a low carbon footprint.**



BARRIER TECHNOLOGIES

Barrier technologies protect product flavor, nutrients, and color. **Lightweight, recyclable bottles deliver significant transport cost savings.**



DIRECT OBJECT PRINTING

Variable data printing solution offering customization and rapid label change capabilities. **Award-winning, eco-friendly printing eliminates label substrates.**



EPET

Combining the benefits of PET with extrusion molding capabilities. **EPET packaging is recyclable for a sustainable packaging option.**



HANDLE APPLICATIONS

Customizable handle designs for consumer convenience. **PET handles are recycled along with the container.**



SELF-DISPENSING TECHNOLOGY

Dispensing technology offers easy liquid release in stackable packaging. **Lightweight, recyclable packaging for water, juice, detergents and more.**



THERMOSHAPE™

A best-in-class hot fill solution for sensitive beverages. **Decreased container weight with low energy, air and cooling costs.**



DIRECT OBJECT PRINTING

Variable data printing solution offering customization and rapid label change capabilities. **Award-winning, eco-friendly printing eliminates label substrates.**



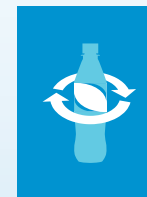
EMBOSSING AND DEBOSSING

Conveying brand identity in visual and tactile ways for a premium look and feel. **Adding value while maintaining recyclability and sustainability.**



SCREEN PRINTING

Screen printing directly on the bottle with the ability to print all the way around the bottle. **Sustainable bottles with screen printing are 100% recyclable.**



TRADITIONAL LABELS

Offering a range of traditional labeling technologies to meet the varying needs of our customers. **No need to remove the recyclable labels for the recycling process.**

HIGH-VOLUME MANUFACTURING CAPABILITIES



HDPE TECHNOLOGIES

Plastipak's proprietary extrusion systems allow for innovative HDPE packaging. Experience the durability and 100% recyclability of HDPE plastic packaging.



HOT FILL TECHNOLOGIES

Benefiting sensitive hot fill beverages with an extended shelf life. Bottle lightweighting processes reduce the carbon footprint in transport.



INJECTION MOLDING

Globally manufacturing high volumes of clear and colored preforms. Recyclable preforms are made from a combination of new and recycled resin.



PET TECHNOLOGIES

High-output manufacturing of customizable PET packaging. Lightweight, recyclable PET packaging is ideal for a variety of applications.



WIDE MOUTH TECHNOLOGY

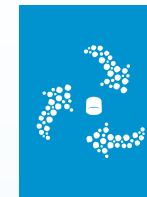
Trimming technology provides a unique packaging shape. Available for 100% recyclable PET and HDPE containers.

SUSTAINABLE SOLUTIONS



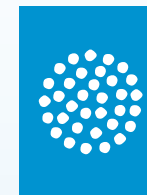
LIGHTWEIGHT NECK FINISHES

A cost-effective technology for carbonated soft drinks and water applications. Lightweight preforms and bottles reduce overall material consumption.



POST-CONSUMER RECYCLED RESIN

Manufacturing post-consumer recycled PET resin (PET PCR or rPET) and HDPE resin (HDPE PCR or rHDPE). Resin making capabilities provide environmentally-friendly packaging options.



VIRGIN RESIN MAKING

Manufacturing 100% virgin PET resin as raw material for use in preform and bottle production. Plastipak's in-house supply of virgin PET resin reduces the supply chain.



SUSTAINABILITY-FOCUSED TECHNOLOGIES MAXIMIZE EACH STEP IN THE LIFE CYCLE OF PET AND HDPE PLASTIC PACKAGING.

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



FULL FRONT AND BACK PANEL
PRINTING CAPABILITIES

SAMPLE OF OUR — — — — —
SHOULDER PRINTING PROCESS



direct object printing



"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.

EFFICIENT CUSTOM PRINTING

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

AWARD-WINNING PRINTING CAPABILITIES

The use of environmentally-friendly ink and the elimination of label substrates earned DuPont's Gold Award.



who we are: we are makers of packaging with flavor and

SERVING THE JUICE, FOOD AND DAIRY MARKETS



and freshness protection from the store shelf to your kitchen table.

consumers first,
always![™]

DIAMONDCLEAR™ TECHNOLOGY

aesthetic advantage with barrier protection



DIAMOND CLEAR™

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. The durable monolayer structure of DiamondClear™ 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
- Recyclable
- Exceptional clarity
- Advanced barrier protection
- Monolayer structure eliminates potential aesthetic and performance issues



EPET TECHNOLOGY

an optimal balance in aesthetics and production efficiency



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 recyclable containers offer unique shapes and sizes along with handleware and Wide Mouth options for both food and non-food products.



EPET USES EXISTING EXTRUSION MOLDING TECHNOLOGY TO CREATE CLEAR, RECYCLABLE PET PACKAGES.



who we are: we are makers of recyclab

SERVING THE CONSUMER CLEANING MARKET



le packaging for everyday cleaning products.

consumers first,
always![™]

THERMALITE™ TECHNOLOGY

sustainable alternative for products requiring pasteurization

LIGHTWEIGHT PET JARS

Award-winning Thermalite™ 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™ shatterproof and transparent jars using regular twist-off metal caps are easy to grip, pour and hold. Significant transport cost savings are achieved by the 85% reduction in weight compared to glass alternatives.

FOOD APPLICATIONS

- Cooking sauces, including ethnic and pasta sauces
- Tomato-based products
- Pesto
- Acidified/pickled vegetables
- Fruit purées, jams and spreads
- Relishes and chutneys

THERMALITE™



AEROSOL TECHNOLOGY

a revolutionary aerosol container

INNOVATIVE PET AEROSOL CONTAINERS

Aerosol containers are a lightweight alternative to tin-plate or steel and provide a sustainable packaging option.

These rust-free, dent-free aerosol containers are warm and soft to the touch. Transparent, opaque, clear or colored options are available for a wide range of applications including home, personal care, food, and industrial.

KEY BENEFITS OF AEROSOL TECHNOLOGY

- Lightweight
- Low carbon footprint
- Cost effective
- Low lifetime cost of ownership
- No rusting or denting
- Design and shape flexibility
- Tactile warm touch
- BPA free



PLASTIPAK'S LIGHTWEIGHT AEROSOL CONTAINERS
HAVE A LOW CARBON FOOTPRINT.



who we are: we are manufacturers of

SERVING THE AUTOMOTIVE, INDUSTRIAL AND AGRICULTURAL MARKETS



functional packaging to keep you on the go.

consumers first,
always![™]

HDPE TECHNOLOGIES

innovative technologies maximize efficiency

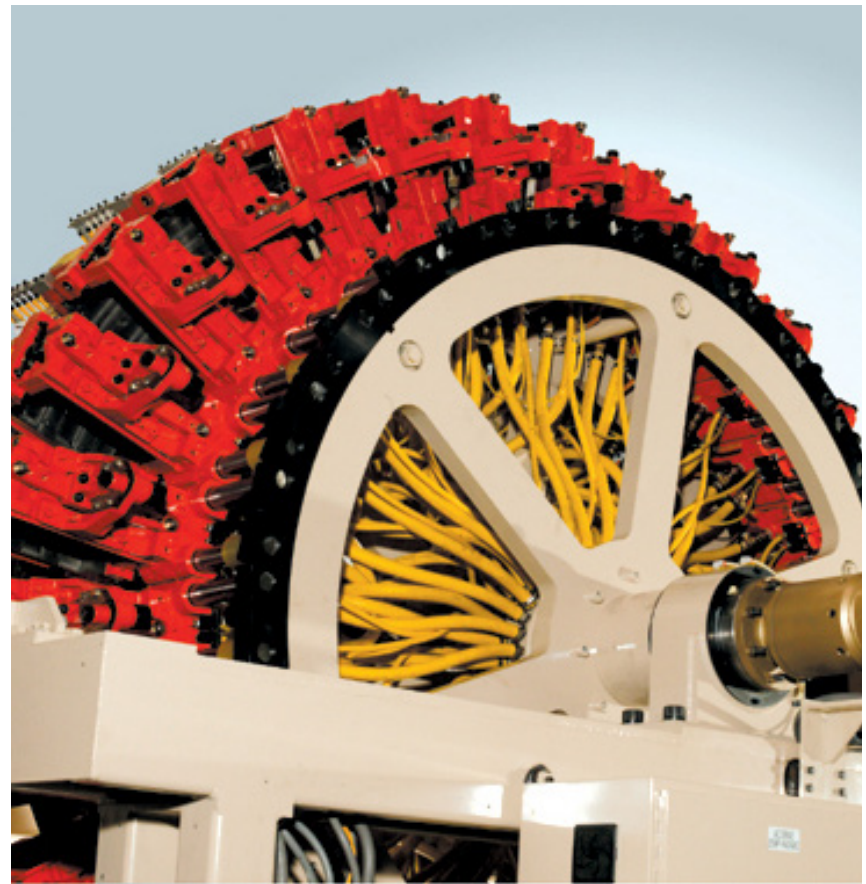
EXTRUSION MOLDING TECHNOLOGIES

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 broad variety of container shapes and sizes.



PET TECHNOLOGIES

high-output manufacturing

COST-EFFECTIVE CUSTOMIZATION

Plastipak's PET technologies, including ThermoShape™ and other hot fill technologies, encompass high-output blow molding manufacturing, packaging customization, and sustainable options for a large scope of applications.

HIGH-VOLUME PREFORM PRODUCTION

Plastipak manufactures a wide range of sustainable preform sizes and forms. Clear and colored preforms with barrier options are made from a combination of new and recycled resin in high-volume preform production.



PLASTIPAK MAXIMIZES THE REUSABLE CHARACTERISTICS OF PET PLASTIC WITH LIGHTWEIGHT, RECYCLABLE PACKAGING.

AFFILIATES | PLASTIPAK COMPANIES

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

WE LEAD. WE DELIVER. WE CARE.

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 CO₂ emissions
- Educates drivers on energy-efficient techniques to reduce carbon footprint
- Promotes environmentally-friendly deliveries



GREEN BUILDING STANDARDS

sustainability efforts beyond packaging



LEED CERTIFICATION

The building standards of Plastipak's manufacturing sites are more sustainable as we work to meet LEED Gold certification at our sites. In recognition of operations of a high-performance green building, Plastipak's manufacturing site in Victorville, California earned Gold LEED certification under the New Construction and Major Renovation Rating System.

GREEN BUSINESS CERTIFICATION

Plastipak's site in Jackson Center, Ohio earned Certified Green Business status in recognition of its environmental leadership.

The certification was earned based on environmental initiatives such as recycling programs, energy efficiency, the promotion of healthy associates, proper use of materials and resources, and smart water usage.



**PLASTIPAK SITES USE FEWER RESOURCES AND REDUCE WASTE
FOR A POSITIVE IMPACT ON THE ENVIRONMENT.**

GLOBALLY ENGAGING WITH OUR COMMUNITIES

inspiring the next generation in the packaging and recycling industries



"OTHER SCHOOL" EVENT IN ROMANIA

Plastipak Urlati demonstrates a strong commitment to involvement in the local community through multiple activities that benefit the children in Romania. Students from a local technical school visit the Plastipak Urlati site annually during their "other school" period to learn about packaging and technology.



UK EVENT ENCOURAGES STUDENTS TO CONSIDER MANUFACTURING CAREERS

The Gresford team hosts a school engagement event called **Make It**, an initiative aimed at encouraging young people to pursue manufacturing careers. The event promotes opportunities at Plastipak, along with our commitment to responsibly producing and recycling PET packaging.



SUPPORTING ASSOCIATES AND COMMUNITIES WORLDWIDE

plastipak sites bring health and hope to local communities



PLASTIPAK BRAZIL ENCOURAGES HEALTHY HABITS

Plastipak Brazil has a program to encourage practicing sports with the intention of promoting good health and well-being. The program, called **Responsible Attitude**, includes running groups that allow participation in various races alongside many featured athletes. Associates have access to receive support to achieve health and fitness goals through agreements made with gyms. Seasonal events such as the Workers Sport Games unite competitors from different companies. Preventive exams are conducted during the annual Health Week, which focuses on health and disease prevention.



NEWARK, OHIO SITE PARTNERS WITH HOUSE OF NEW HOPE

The Plastipak Newark site in Ohio has a **'Secret Santa'** every year in December. In years past, this location has helped associates who needed a helping hand, an outside family in need, or an organization that administers to a community need. Recently Newark chose The House of New Hope in St. Louisville, Ohio, which is an organization that helps children find foster families or adoption. Newark associates donated children's coats, toys and monetary donations which were used to purchase additional coats.





PARTNERING WITH JDRF AND DOLLARS FOR SCHOLARS

plastipak supports local communities

LONG-TIME SUPPORTER OF JDRF

The Juvenile Diabetes Research Foundation (JDRF) is the leading global organization funding type 1 diabetes research. In addition, JDRF offers personalized support to families, adults, and teens living with type 1 diabetes. Plastipak continues to be a proud supporter as a Michigan Statewide Sponsor and participates in annual walks to raise money for research.



DOLLARS FOR SCHOLARS

Detroit Regional Dollars for Scholars (DFS) helps local students prepare for life after high school, through scholarships and academic support, to enable post-secondary success. The program is built on three goals: to inspire, to prepare, and to succeed. Plastipak partners with DFS to identify and develop future leaders from local high schools throughout southeast Michigan to help create a path to prosperity for at-risk students in the community.



RECYCLING COUNTS!TM

RECYCLING WORTH REPEATINGTM

RECYCLING COUNTS!TM JOIN PLASTIPAK IN OUR COMMITMENT TO SUSTAINABILITY.

Recycling CountsTM is an online global community that supports multiple initiatives from Plastipak and its partners to promote recycling and sustainability in our communities. Our commitment to sustainability is part of our DNA and is guided by a bottle to bottle approach to recycling.

Plastipak is committed to recycling initiatives that turn used plastics into resin for new bottles. By using recycled materials, Plastipak continues to fulfill our responsibilities to protect the environment for future generations. You can join the Recycling CountsTM movement by recycling your used plastic bottles, which are made into new bottles.



EXPLORE
OUR WEBSITE

Visit www.recyclingcounts.com to learn more about Plastipak's global recycling initiatives.



RECYCLING COUNTS PROMOTES RECYCLING AND SUSTAINABILITY
WITH A BOTTLE TO BOTTLE APPROACH TO RECYCLING.

GLOBAL RECYCLING CENTERS

Plastipak's global recycling centers 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. In North America, Clean Tech is one of the top five plastic recyclers in the US. In Europe, Plastipak is one of the largest producers of food-grade rPET (PET PCR), with capacity to produce over 250 million pounds (120 tonnes) of food-grade rPET (PET PCR) material annually.

POST-CONSUMER RECYCLED RESIN

Plastipak's resin making capabilities provide our customers with environmentally-friendly packaging options. Plastipak recycles used packaging to produce post-consumer recycled PET resin (PET PCR or rPET) and HDPE resin (HDPE PCR or rHDPE). Some bottles we make contain 100% rPET (PET PCR) or rHDPE (HDPE PCR). By using recycled material, Plastipak keeps millions of pounds of material from ending up in landfills each year.

**"CLEAN TECH'S RECYCLING KEEPS 20 BILLION
PLASTIC CONTAINERS OUT OF LANDFILLS ANNUALLY."**

HEMSWELL, UK

BASCHARAGE, LUXEMBOURG

DUNDEE, MI, US

BEAUNE, FRANCE

GLOBAL RECYCLING CENTERS
CLEAN TECH



DUNDEE, MICHIGAN, US



HEMSWELL, UK



BASCHARAGE, LUXEMBOURG



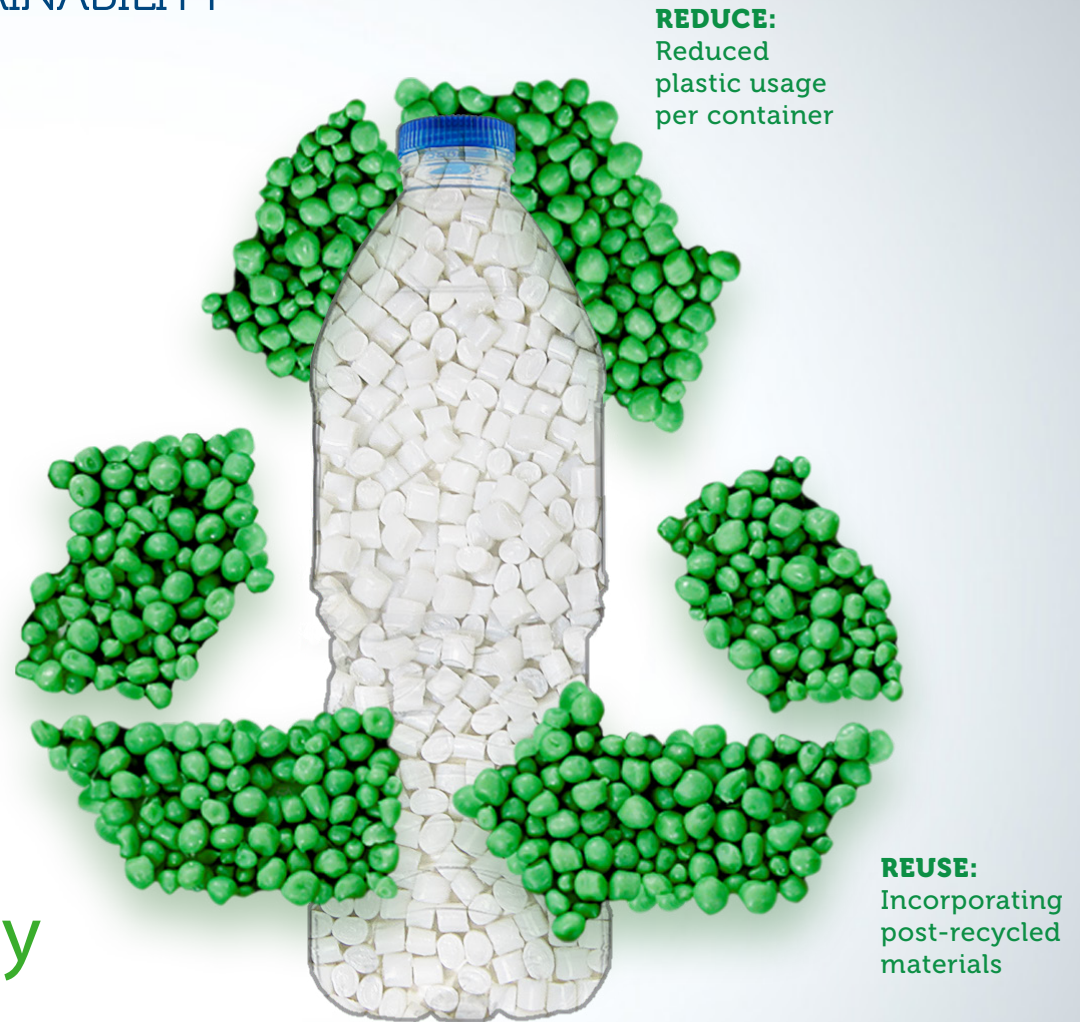
BEAUNE, FRANCE

GLOBAL LEADER IN PLASTICS SUSTAINABILITY

post-consumer recycled resin

BOTTLE TO BOTTLE APPROACH TO RECYCLING

Plastipak's sustainability initiatives are guided by a bottle to bottle approach to recycling which is accomplished through our recycling affiliate, Clean Tech. 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.



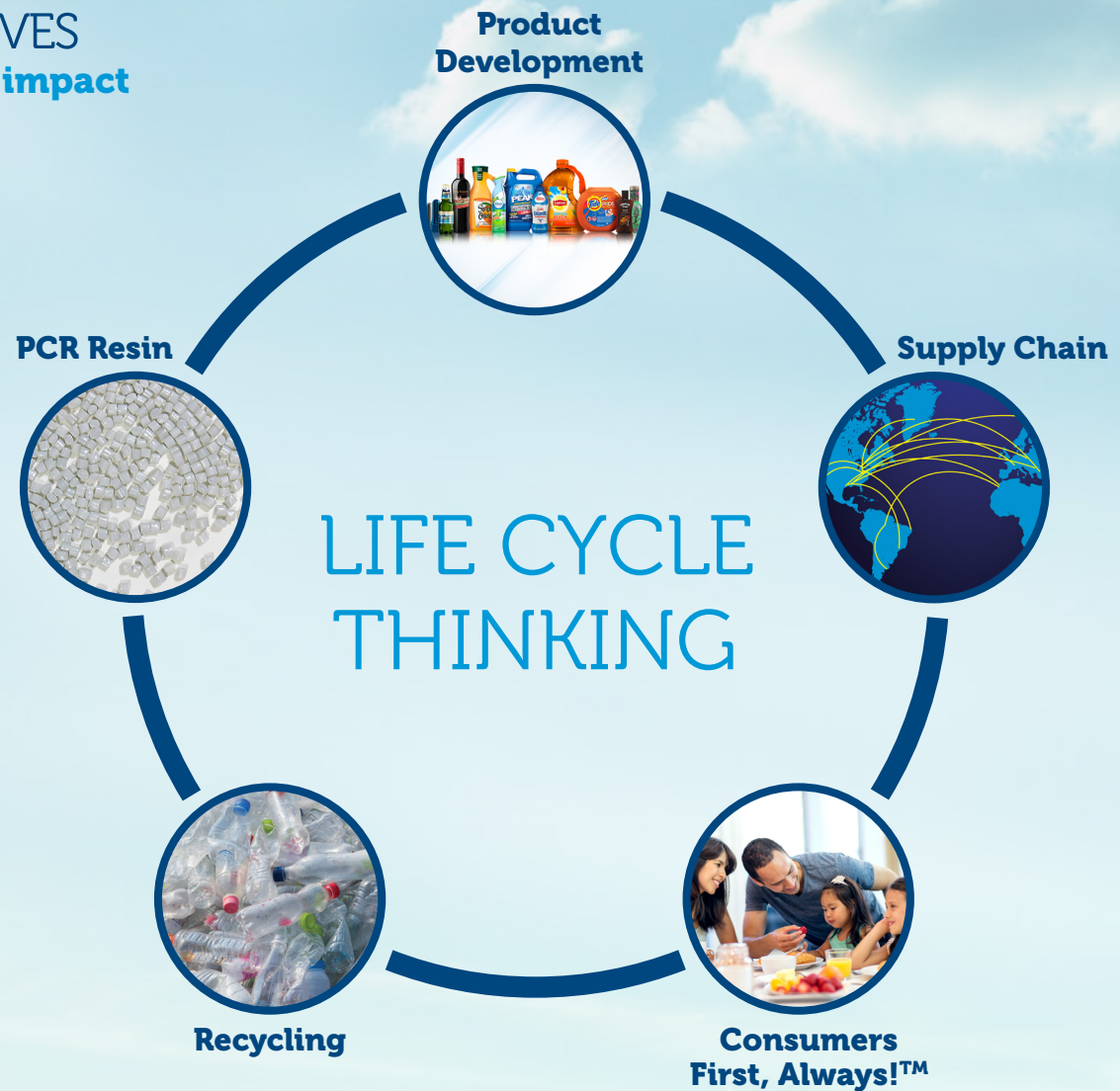
"BILLIONS OF BOTTLES REPURPOSED ANNUALLY."

ENVIRONMENTAL INITIATIVES minimizing our environmental impact

life cycle stages for maximum sustainability

LIFE CYCLE THINKING

Plastipak employs Life Cycle Thinking (LCT) to achieve strategic sustainability. We assess each stage of our products' life cycle stages to determine the environmental impact of each stage and then work to minimize our influence in each stage. By applying Life Cycle Thinking, billions of bottles are repurposed annually. This sustainable business approach earned Plastipak an honorable mention award as a Detroit Free Press Green Leader.



SUSTAINABILITY OBJECTIVES

a leader in sustainability awareness and action

ONGOING EFFORTS

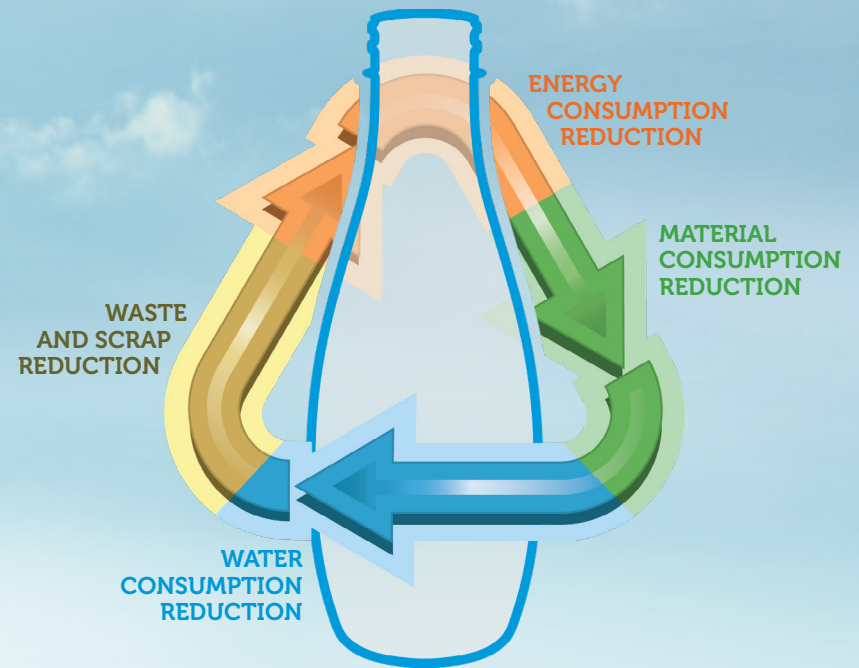
We are committed to making Plastipak a leader in sustainability awareness and action, a company that will positively affect the lives of our associates, their children and future generations.

SUSTAINABLE OPERATIONS

Our sustainability objectives include evaluations of business practices to ensure natural resources are used appropriately, as well as the use of renewable and recyclable materials.

STRONG COMMITMENT

Running operations in an environmentally-friendly manner is woven into our business plan. We hold ourselves accountable to stakeholders to uphold our unwavering commitment to the environment.



WASTE AND SCRAP REDUCTIONS

Plastipak continually implements ways to reduce waste and scrap. Wipe Out Waste (WOW) teams work diligently toward Plastipak's zero landfill goal, with multiple sites already having achieved that goal. Environmental improvement teams establish action plans to reduce waste in addition to waste reduction training for associates.

HYBRID GAYLORD CONTAINERS

Plastipak's hybrid gaylord containers are made with reduced cardboard content for a longer-lasting, more efficient storage item. About 90% of the gaylord containers used hybrids. The thickness of liners on gaylord bins have been reduced significantly.





Plastipak
HOLDINGS INC.

Global
Business and
Technology
Center

Plastipak

**creating products which inspire choice, provide value
and are sustainably balanced for our customers**



**GLOBAL BUSINESS AND
TECHNOLOGY CENTER**

41605 Ann Arbor Road
Plymouth, Michigan 48170
Phone (734) 455-3600
Fax (734) 354-7391
plastipak.com

mobile brochure



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*always!***[™]