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**TRICORBRAUN®**

# Responsible Packaging for Beverages

RIGID & FLEXIBLE OPTIONS | STOCK & CUSTOM SOLUTIONS



**Kindness and Mischief Coffee**  
Compostable and  
renewable materials



**MUDWTR**  
Recyclable and reusable



**Reed + Gwen**  
Recycled material



**Just Made**  
Bio-resin



**Project Clean**  
Recycled material



**Soma Apple Cider**  
Recyclable



**Alamo Red**  
Lightweight



**Moody Ales**  
Recyclable



**Tag No.5 Vodka**  
Lightweight



**Tandem Coffee Roasters**  
Fully compostable and  
BPI certified



**Truman's**  
Refillable



**Juice Plus+**  
Reduced plastic



**Kentucky Peerless**  
Recyclable

## A PASSION FOR PACKAGING

Responsibility is the new sustainability. The Covid-19 pandemic brought many shifts in consumer behavior, and with this evolution came an expanded definition of sustainability. There is now a keen awareness of the demanding consumer economy and how easily it affects both our delicate ecosystems and evolving communities.

The new sustainable mindset encompasses the balance of both environmental and social “responsibility.” Consumers recognize their impact and are striving to make choices, or purchases, that benefit the greater good. However, it’s not just consumers. Government legislation and large retailers are also placing responsibility on brand owners to minimize the heavy burden of single-use plastics and other packaging pieces on the environment.

**Brands that take measurable action toward environmental and social improvement and communicate their goals effectively will win their consumer’s trust, and ultimately, purchase loyalty.**

*87% of consumers agreed that companies have a responsibility to protect the planet and its people, according to a study conducted by Wunderman Thompson Intelligence.*

**Savvy brands will leverage primary packaging to tell their story.** Every brand will have unique goals. At TricorBraun, we help our customers navigate this journey by evaluating various materials and methods in order to provide the most responsible packaging solution for their product.

We leverage our global supply chain expertise, expansive and sustainable footprint, and unmatched purchasing power to identify the best sourcing partners and cost-effective solutions for our customers.

In a world full of complexity, deadlines and budget constraints, we never lose sight of your brand objectives and the undeniable role that packaging plays in the success of new and refreshed products. This way you can remain focused on what’s inside the package.

GOVERNMENT LEGISLATION	LARGE RETAILERS	CONSUMERS
<ul style="list-style-type: none"> <li>• UK and some EU nations have a virgin resin tax, other countries considering similar policy</li> <li>• Several US states have passed or are considering legislation covering recycled content requirements, labeling claims, and EPR initiatives</li> <li>• Affects production, marketing and disposal of packaging</li> </ul>	<ul style="list-style-type: none"> <li>• Implementing sustainable packaging commitments and goals with target completion dates of 2025-2030</li> <li>• Focus on private label, but multinational brands are taking heed to ensure better brand positioning and retail shelf space</li> <li>• Focus on refillable, recyclable, or reusable</li> </ul>	<ul style="list-style-type: none"> <li>• 54% say the sustainability of the packaging is a factor in their product selection process</li> <li>• Millennials and Gen Z are choosing to pay more for sustainable options</li> <li>• Loyalty is driven by corporate responsibility and sustainability initiatives</li> </ul>

# Comparing Sustainable Packaging Options

## MATERIAL SELECTION



### ← LEAST EXPENSIVE

#### NON-PLASTIC

##### Paper

- Breaks down faster and is compostable in some forms
- Can be 100% recyclable if no coatings or films are required for the formula

#### PCR (POST-CONSUMER RESIN)\*

##### PET

- Easily recyclable
- Natural color has gray tint
- Odor can be present

##### PE

- Maintains barrier properties of virgin PE
- Limited supply available in natural color
- Odor can be present

##### PP

- Limited supply
- Works best with dark colorant
- Odor can be present

##### Ocean Bound

- Reduces plastic waste bound for the ocean
- Limited supply available
- Cost is typically 2X virgin resin

\*Food-grade PCR increases cost

#### NON-PLASTIC

##### Glass

- 100% recyclable and reusable
- Fragile and heavier to ship

##### Aluminum

- 100% recyclable, durable and ideal for reuse
- Requires higher MOQs
- Limited supply

#### BIODEGRADABLE ADDITIVES

##### (Flexibles, HDPE, LDPE, PE)

- Can improve biodegradability or compostability
- Low durability and barrier properties
- >5% bio-resin coded as #7 (non-recyclable), exceptions exist for PE and PET
- Supply and scalability can be a limiting factor

*DISCLAIMER: This is meant to be a general guide. Pricing scale is extremely relative to the size of the package, tooling, and any material adders for compatibility. Contact us for the most up-to-date information.*



### ALTERNATIVE RESINS

#### Bio-Resins

- Reduces use of petroleum-based resins
- Can be added in increments as low as 5%
- >5% bio-resin coded as #7 (non-recyclable), exceptions exist for PE and PET
- Requires extensive stability and compatibility testing
- Cost is typically 3X virgin resin



**MOST EXPENSIVE**

### CHEMICALLY RECYCLED RESINS

- 100% recycled content
- Comparable in quality and color to virgin resin

## OTHER SOLUTIONS

### MONO-MATERIAL

- Made with one resin, or a combination of resins from the same family
- Optimal for single-stream recycling
- Limited supply available for multi-component products

### ALL-PLASTIC

- All components made of plastic (no metal), but resins types can differ
- May be easier to recycle than mixed-material products (validate with testing)
- Pricing can be higher than mixed-materials products
- Major retailers are trending towards all-plastic requirements

### LIGHTWEIGHTED

- Reduces unnecessary plastic
- More efficient to ship
- Testing required to assure package integrity

### REFILLABLE & REUSABLE

- Reduces single-use packaging materials
- Should be easy to clean

### DESIGN OPTIMIZATION

- Improves pack out
- Reduces shipping emissions
- Increases filling line efficiency

### OPERATIONAL IMPROVEMENTS

- Optimize logistics to reduce carbon footprint
- Reduce downtime and/or waste of unnecessary resources



PRODUCT FOCUS: RESPONSIBLE PACKAGING

## CATEGORY INSIGHT

Based on consumer insights in the category, we have identified the top three packaging implications.



Yumbo Soda

### IMPROVED RECYCLABILITY

- Monomaterial or all-plastic
- 100% recyclable materials
- Recycled material resins



Acid League

### ACCOUNTABILITY

- Honest and demonstrable claims
- Ingredient and manufacturing transparency on-pack
- Trusted certifications



OEM

### ETHICAL

- Locally sourced ingredients communicated on-pack
- Less single-use plastic packaging
- Reusable

**TricorBraun is able to source stock or custom design package solutions focused on Improved Recyclability, Accountability, and Ethical solutions.**



PRODUCT FOCUS: RESPONSIBLE PACKAGING





# STOCK SOLUTIONS



## CAPS AND CLOSURES

**Material:** HDPE, PP, PCR (varying percentages), metal

**Neck Finishes:** CT, TE, PCO, ROPP, Multi-lead

*Various colors, sizes, and styles available*



## ALUMINUM CANS

**Sizes:**

Standard: 12 and 16 fl oz

Sleek: 12 fl oz

**Styles:** Brite, printed or shrink sleeved

**Material:** Aluminum

*Ask us about Epoxy and BPANI liner availability.*





### RTD BEVERAGE BOTTLES

**Fill Capacity:** 2, 8, 10, 12, 16, 32, 64 fl oz; 500ml, 1L, 1.5L

**Neck Finish:** Various

**Material:** PET PCR





**HOT FILL BOTTLES**

**Fill Capacity:** 12, 17.5 fl oz

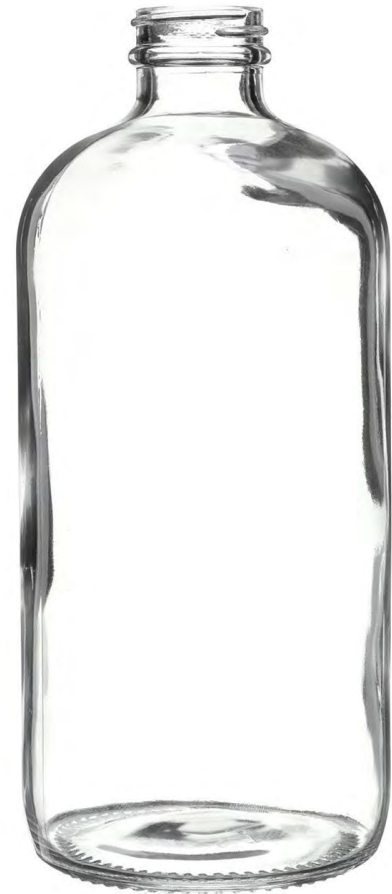
**Neck Finish:** 38-400

**Material:** PET PCR



Ask us about our wide range of glass bottles for beverages. Lightweight options are available.

PRODUCT FOCUS: RESPONSIBLE PACKAGING



### KOMBUCHA AND COLD BREW BOTTLE

Fill Capacity: 16oz

Neck Finish: 28-350

Material: Glass



**GLASS BOSTON ROUND BOTTLES**

**Fill Capacity:** 0.5, 1, 2, 4, 8, 16oz

**Neck Finish:** 18 DIN, 20-400, 22-400, 24-400, 28-400

**ALUMINUM BOTTLES**

**38-400 neck finish available in sizes:**

- 45mm x 95mm (130cc)
- 53mm x 110mm (208cc)
- 59mm x 140mm (335cc)
- 59mm x 160mm (385cc)

**24-410 neck finish available in sizes:**

- 35mm x 97mm (65 to 80ml)
- 45mm x 115mm (130 to 145ml)
- 45mm x 150mm (180 to 195ml)
- 53mm x 145mm (235 to 250ml)
- 53mm x 175mm (290 to 305ml)
- 53mm x 207mm (335 to 350ml)

**Material/Finish:** White, brushed aluminum



**38-400 WIDE MOUTH BOTTLE**

**24-410 Ø35mm**

**24-410 Ø45mm**

**24-410 Ø53mm**



PRODUCT FOCUS: RESPONSIBLE PACKAGING





### BIOTRÉ 3.0

**Sizes:** 6, 8, 10, 12, 14, 16oz; 2lbs

**Styles:** Block bottom bag with optional valve and/or pocket zipper, stand-up pouch with zipper, side gusset bag with optional valve

**Material:** Biotrē 3.0 is a high-barrier flexible packaging film made from renewable and compostable resources such as wood pulp. **The entire bag is certified compostable by the Biodegradable Products Institute (BPI).**

**Colors:** White, black, natural kraft



### POLYRECYCLE™ BY TRICORBRAUN FLEX

**Material:** PolyRecycle™ is a How2Recycle® pre-approved, flexible polyethylene (PE) film packaging material ideal for dry, free-flowing products including specialty food and powders.

Available now and pre-qualified for store drop-off by consumers in the US, and curbside in Canada.



**HiVIS PUMP: HV4-1**

**Output:** 4ml (0.2oz)

**Neck Finish:** 28-400 with locking feature



**HiVIS PUMP: HV15-1**

**Output:** 15ml (0.5oz)

**Neck Finish:** 38-400 with locking feature



**HiVIS PUMP: HV10-2**

**Output:** 10ml (0.3oz)

**Neck Finish:** 38-400 with locking feature



**HiVIS PUMP: HV15-2**

**Output:** 15ml (0.5oz)

**Neck Finish:** 38-400 with optional locking feature



**HiVIS PUMP: HV30-2**

**Output:** 30ml (1.0oz)


**Neck Finish:** 38-400 with optional locking feature



**HiVIS PUMP: HV8-1**

**Output:** 7.5ml (0.25oz)

**Neck Finish:** 28-400, 38-400 with locking feature



# HiVis

DISPENSING PUMP SYSTEMS

A cost-effective pump solution with controlled dispensing and a no-drip nozzle that's **convenient and customizable**. Ideal for large format refill packaging.



# CUSTOM DESIGN

Our Design and Engineering team consists of experienced team members in Category and Consumer Insight, Graphic and Industrial Design, Engineering, Quality, and Project Management. Our team's make-up ensures custom designs resonate with consumers (both functionally and aesthetically) and are manufactured to specification to ensure package performance.

**We are able to customize the full package.**

From bottle to closure, to unique label designs and decoration. We build more than 400 custom projects annually, hold hundreds of utility and design patents, and have earned more than 100 renowned industry awards.

The following concepts are designed for consumers, refined for manufacturability, and available for development.

Compatible with all  
forms of deco →



↑  
Consider PCR or  
alternative resin

CUSTOM DESIGN

CUSTOM DESIGN



— Reduced plastic use for concentrated formula

Snap-on dispensing closure available with or without silicone valve



↑  
Consider PCR or alternative resin



Stock tools are available in HDPE.

Glass is reusable and  
infinitely recyclable →



← PS label, shrink  
sleeve or silk screen  
decoration

↑ Square footprint improves  
shipping efficiencies



CUSTOM DESIGN



• PS label, shrink sleeve or silk screen decoration

Glass is reusable and infinitely recyclable

## Business Ethics and Responsibility at TricorBraun

**Doing things the right way related to environmental, social, and governance (ESG) is part of our company culture.** We take intentional actions to operate with strong ethics, as well as to continue improving our sustainability profile for the benefit of our customers, suppliers, team members, communities, and the environment.

We know you have ESG expectations for the companies you work with. We are committed to sustainable and ethical practices throughout packaging design and development, procurement and supplier partner management, team member development, facility operations, and stakeholder relationships.

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Ready to explore how your packaging can reflect your commitment to being a responsible brand? Contact our award-winning team to get started.

Email us at [marketing@tricorbraun.com](mailto:marketing@tricorbraun.com)

**TRICORBRAUN**

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