The World’s Leading Brands use Kortec
‘The World’s Leading Brands Use Kortec’ – the world's largest food and beverage companies use multi-layer PET and PP containers produced with Kortec technology.

In addition to traditional PET and PP blow-molded containers, Kortec has expanded multi-layer technology solutions to molded thin-wall containers and plastic caps and closures.
The World’s Leading Brands use Kortec® —
the “Total Solution” provider for high barrier packaging technology.

Company Overview

Founded in 1996, Kortec Inc. is the world’s leading supplier of innovative multi-layer packaging systems for the plastics container industry.

A pioneer in the industry, Kortec essentially created the worldwide multi-layer rigid plastic packaging market by developing and patenting its proprietary molding technology in the 1990’s. The world’s leading global packaging companies were soon using Kortec production systems for a wide variety of multi-layer plastic containers. What began as an idea for Kortec’s founders has become the #1 barrier packaging technology in the world today.

From its headquarters in Ipswich, Massachusetts USA, Kortec provides complete, turnkey solutions to its customers – from preform and container design to shipment of a fully tested, optimized multi-layer molding system. Kortec manages the entire project, including in-plant start-up services, customer training and continued technical support.

Kortec is a lean, highly efficient company that focuses all of its efforts on ensuring its customers’ success.

Multi-layer rigid plastic containers produced with Kortec technology offer important advantages over traditional packaging, including:

- Sustainability
- Product freshness and longer shelf life
- Attractive design options
- Significant cost savings
Kortec has perfected the art of producing multi-layer preforms for PET and PP containers. The advantages of Kortec high barrier, multi-layer containers are numerous and include:

**Sustainability**—Kortec multi-layer plastic containers are 100% recyclable – but that’s only part of the story. These containers are among the most eco-friendly packaging products available today. They require less energy consumption per container to produce, and have a smaller overall carbon footprint per container than glass and other materials. Lightweighting technology allows production of containers with even less plastic material used.

**Product freshness and longer shelf life**—Kortec’s three-layer technology combines PET or PP with the latest barrier and oxygen scavenging resins. This results in high barrier, multi-layer plastic containers that preserve freshness and extend food and beverage shelf life – from 2x to 30x better than monolayer containers. They significantly reduce the ingress of oxygen and the egress of carbon dioxide, factors that traditionally limited the use of plastic containers for sensitive food and beverage products such as beer, tomato-based sauces, hot teas, carbonated soft drinks, and many others.

**Attractive design options**—All of the same design advantages available with monolayer plastics are available with Kortec multi-layer technology. This provides designers with almost limitless options for creating aesthetic packages that are simply not possible with glass or metal.

**Significant cost savings**—The lower part weight and lower production cost of plastic parts made with Kortec technology offer a significant economic advantage over metal and glass.
Expanding Multi-Layer Technology Solutions for Your Products—Now and in the Future

The use of Kortec high-barrier, multi-layer technology is constantly expanding into new applications and markets.

**Thin-wall Containers**

Net shape molded polypropylene containers produced with Kortec multi-layer technology provide significant advantages over metal, glass, and thermoformed packages. Ideal for retortable food applications including fruits and vegetables, pet foods, soups and stews, fish, baby food and others, these containers provide a higher quality product at a lower overall cost.

**Barrier Caps and Closures**

Kortec multi-layer packaging technology has been developed to produce one-piece barrier caps and closures. These caps, when used as closures on multi-layer containers, provide even better product freshness and shelf life than previously possible.

In addition, molders of these caps can realize substantial cost savings since the barrier closure is produced in a single molding operation. Traditional barrier caps are typically made up of two or more pieces, including a plastic cap and a seal. Kortec technology eliminates the need for any secondary operation.

**The Future**

Research and development is a high priority at Kortec. It has helped us turn what was once an unproven technology concept into the leading barrier technology used throughout the world for producing food and beverage packaging. We are always working on new applications for our technology. Contact us with your ideas—we can help turn them into reality!