



Thermoformed Packaging and Its Role in Modern Packaging

/ News / By [Platt Packaging](#)

[Thermoformed packaging](#) is an inexpensive and effective way to store products and items safely, protecting them from moisture and dust. Thermoformed products include [clamshell packaging](#), trays, beverage cups, pallets, sleeve packs, and other containers and moulds. The versatility of this method of storing and packing products makes it an excellent option for many industries.

What is Thermoformed Packaging?

Thermoformed packaging can be used for diverse applications, including storage, serving devices, and manufacturing. The thermoform process uses special plastic to adapt and form the product. As its name suggests, it requires forming or reforming to become the storage container for the item. Thermoform packaging is used for delicate items since the production can create a shell-like covering to protect stored items.

The Thermoforming Process: From Design to Product

Special thermoform machinery is used to create different product designs and packaging enclosures. The process may include the use of vacuum or pressure formers. Now, vacuum formers are excellent when dealing with less complex parts to store, and the moulds are more shallow. In contrast, pressure formers tackle elaborate moulding for items and parts that are

intricate in detail. The machine uses heat, conducting it to the correct temperature to create the mould required for the item.

The process seals the product securely, thus protecting it from outer elements. The moulds used in the process are temporary before going into a permanent one with non-consumable items.

Why Businesses are Choosing Thermoformed Packaging Solutions

Thermoformed packaging has become one of the most commonly chosen forms of packaging. It's a winner due to its cost-effectiveness and safety standards in the food or medical industry. In addition, other industries also use the containers.

The materials used for the thermoforming process are more sustainable than regular plastic. The material is also tamper-proof, reducing expenses for lost items. Companies choose thermoform storage containers because they are also very durable, which is perfect for transportation.

Key Considerations When Choosing Thermoform Packaging for Your Products

Thermoforming products are available on a wide scale and cater to various industries. Some thermoforming products include applications as varied as the creation of [blister packaging](#), the doors of refrigerators and dryers, air ducts, computer casings, motor vehicle bumpers, office furniture, electronics, sterile packaging, pharmaceutical products, light enclosures, stacking columns, shipping trays, and more.

When choosing thermoform packaging solutions, consider the item's size, such as the depth of the container or width. Check the plastic since it is adapted for various uses, for instance, sterile or commercial retail use. It's also best to check the overall durability of the package and whether it risks the material expanding or shrinking during different environments or temperatures. Finding what works will help you avoid buying the wrong application and spending more money.

Sustainability and Thermoform Packaging: The Eco-Friendly Choice?

Thermoform products in the medical and pharmaceutical industries are made with eco-friendly plastics and materials. Other industries also opt for sustainable thermoform packaging because, not only does it reduce costs, it effectively lowers the impact on the environment. RPET is fully recyclable and often made with up to 85% of previously recycled plastics.

How Platt Packaging Can Meet Your Branding Needs with Thermoformed Packaging

Custom thermoformed packaging will help give your company individuality and uniqueness from the competition. It is an effective way to increase visibility in the market while ensuring that your products are safely transported and packed. At [Platt Packaging](#), we guarantee that our products are sustainable. We offer 100% recyclable thermoform products that contribute to positive changes in the future of packaging.