

### Shorr Helped A Medical Device Company Transition from Standard Peelable Pouches to Sterilizable Window Bags



**+** A leading medical device company specializing in the production of minimally invasive surgical products required a packaging solution designed to ensure sterility, protection, and ease of use for medical professionals during surgical procedures. The customer previously utilized standard peelable pouches, and though they provided satisfactory performance, the customer identified several areas for improvement, including quality concerns with the seals, better opening properties, improved visual inspection capabilities, and cost. These improvements were crucial for maintaining product integrity and meeting stringent regulatory requirements.



**New packaging design enabled significant improvements of quality and performance.**

# Leveraging Shorr's healthcare packaging expertise and access to a wide range of products made finding the best solution possible.



**+** After conducting thorough research and consultation with Shorr's packaging experts, the customer decided to transition from the standard peelable pouch to a new, sterilizable window bag known for its superior performance characteristics for their application and packaging needs. The transition from the peelable pouch to the new window bag involved several key steps:

## Material Selection

Testing was conducted to identify the most suitable packaging material that met the customer's requirements for durability, sealing properties, visual inspection, and regulatory compliance.

## Prototyping and Testing

Prototypes of the window bag were created and subjected to testing to assess performance under various conditions, including accelerated aging, handling stress, and sterility maintenance.

## Regulatory Approval

The window bag underwent thorough scrutiny to ensure compliance with regulatory standards such as ISO 11607 and FDA guidelines for medical device packaging.

## Production Integration

Once the window bag was approved by the customer, it was seamlessly integrated into the production and packaging process, ensuring consistent quality and performance.

## Advantages of the Sterilizable Window Bag:

### ■ Enhanced Durability

The new bag provided increased durability, reducing the risk of seals being damaged or material tears during filling, sealing, handling, and transportation.

### ■ Improved Sealing and Opening Properties

The material's properties allowed for improved sealing and opening due to polyethylene film-to-film sealing. This was crucial for maintaining the sterility of the medical devices.

### ■ Visual Inspection

The new bag features a clear window, allowing medical professionals to easily inspect the contents of the window bag without compromising sterility.

**The new packaging material met all regulatory standards and requirements, ensuring compliance and peace of mind for the customer.**

**Increased durability decreased the risk of seal damage during transport.**



**+** The transition to the new sterilized window bag exemplifies a commitment to continuous improvement. Leveraging new materials and sealing and opening technologies, the customer successfully addressed key challenges and enhanced the experience for end-users.

**The transition from the standard peelable pouch to the window bag yielded significant benefits for the customer.**

■ **Excellent protection**

A unique multilayer structure film is used with strong and flexible features. The top of the bag prevents peeling and any seal damage during packing and transportation.

■ **Convenient aseptic opening and sterile presentation**

The window bag gives a peelable film-to-film window for opening. This avoids contamination risk due to tears or loose particles of coating adhesive. The peelable seal facilitates a clean, fiber-free peel opening, allowing an aseptic presentation of the packed product.

■ **Improved user experience**

Medical professionals benefited from the enhanced visual inspection capabilities and improved opening features, allowing for quick and accurate identification of the enclosed medical devices.

■ **Competitive advantage**

By adopting advanced packaging technology, the customer gained a competitive edge in the market by offering an improved quality, reliable, and user-friendly packaging solution for minimally invasive surgical products.

**If we could do any of this for your organization, wouldn't that be worth a call? (888) 885-0055**



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