



Liquid Packaging



ALC Liquid Packaging

The ALC Liquid Packaging division provides a range of customised, flexible packaging solutions designed to store and ship liquid, powdered, granulated as well as pickled products safely and cost-effectively. Typical low and high viscosity, as well as aseptic products would include juices, sauces, flavourings and pickled cucumbers, milk powders and industrial oils.

ALC liner bags are specifically designed to be used in conjunction with Intermediate Bulk Containers with our customised product range providing a reliable solution that ensures total product protection during filling, transportation and decanting processes.

ALC liner bags eliminate the need for container sterilization and increase the efficiency and utilization of shipping and storage space available. The ALC liner bag range not only ensures that your product arrives safely, it also actively reduces your carbon footprint and packaging costs.





Intermediate Bulk Containers (IBC) – An Overview

What is an IBC?

The ALC Liquid packaging liner range is custom-designed for use with an Intermediate Bulk Container – or IBC (also known as a “Tote”).

An IBC is a reusable container, typically pallet mounted, that is used for storing and transporting bulk liquids and powders, semi-solids, pastes, or even solids. IBCs are either flexible (collapsible) or rigid and the term ‘intermediate’ comes from the volume that intermediate bulk containers carry, which usually falls between 1000L and 1250L compared to that of tanks and drums.

Why Do IBCs exist?

Rigid containers, such as drums and stainless steel containers are often returned to source empty, resulting in double the transport cost per litre. Returned rigid containers also require extensive and expensive cleaning before refilling.

Collapsible IBCs, however, are more space-efficient, using 60% less space when stored or transported empty. In addition, the same collapsible IBC, together with the ALC liner range can be used for a variety of products and are easy to fill and decant.

Benefits of IBCs vs Drums

IBCs have greater storage capacity with an IBC taking up to 1250L/330 gallons on one pallet space compared to four drums that would require the same space, but only store 800L/220 gallons.

IBCs can be moved freely and without expensive pallets and shrink wrap and can be stacked up to five high. IBCs can be used multiple times, while drums are generally single-use-only, reducing packing waste from 96kg to 2.5kg. IBC totes, when used with the ALC AIRMAX high-viscosity liner range, eliminate product waste by draining completely, while drums typically collect residual product.



ALC – Expertise Meets Innovation

With its on-site laboratory, ALC conducts regular testing on the durability and resilience of all films, as well as approximating the viscosity levels of different liquid products. This ensures the optimum performance of liner films and a high level of quality across all liquid packaging solutions, whether for low or high viscosity, as well as aseptic liquid products.

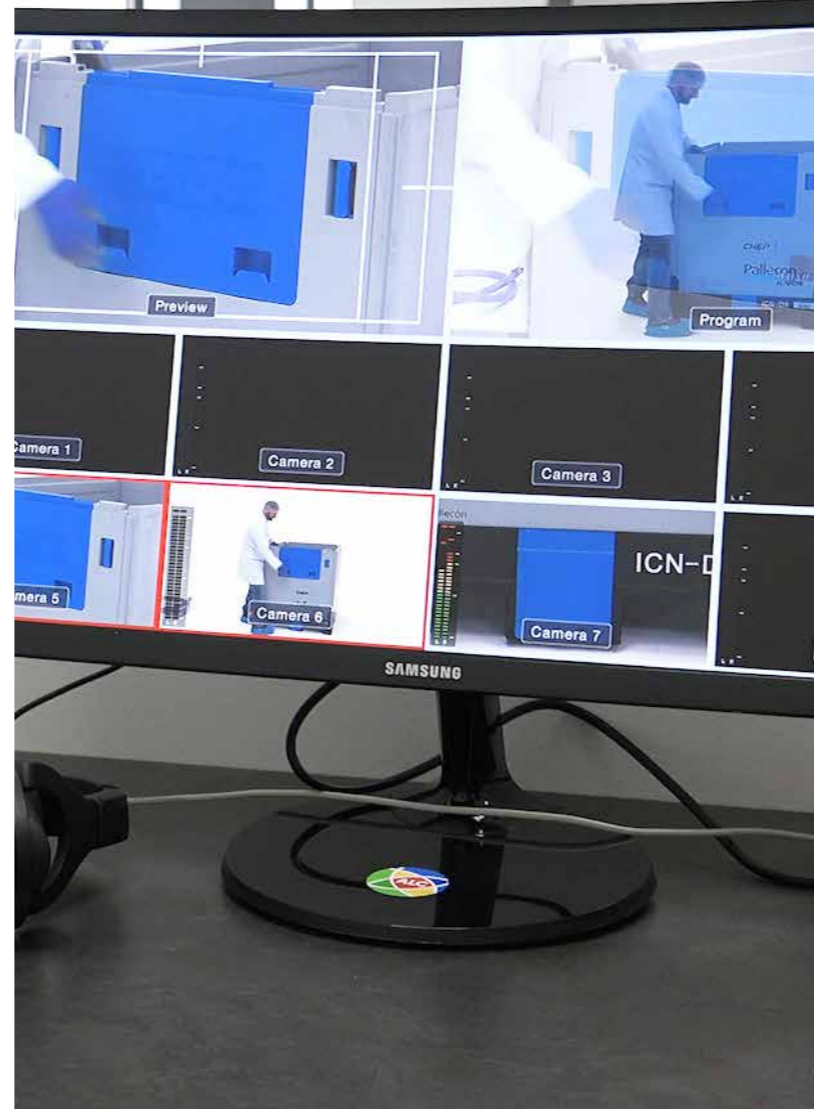


ALC Studio – Our Global Reach (Digitally)

With digital platforms becoming an increasingly important component of global business interaction, ALC saw an immediate opportunity to capitalize on this growing trend, extending its commitment to innovation by building an in-house live-streaming video production studio.

This in-house studio allows ALC to not only produce detailed production and manufacturing videos, but more importantly delivers the capability to offer live-stream product demonstration presentations to customers in realtime, anywhere in the world. This innovative platform also allows customers to gain access to ALC's manufacturing capabilities remotely and interact with the ALC team through real-time live product demonstrations.

Customers can also remotely connect their full operational and management teams and even offer their own end-user customers a live demonstration of ALC's manufacturing capability and innovative product solutions in high-definition video and audio which can be broadcast through any streaming system including Zoom, Teams, Meet, Facebook Live, Twitch and YouTube.



The ALC Studio – Key Benefits

The ALC Studio offers customers the following benefits:

- Live-streamed product and manufacturing demos
- Product training sessions live-streamed anywhere in the world
- Real-time customer insights and live Q&A on products/demos
- Customers can remotely connect their full operational and management teams
- Customers can offer their own end-user customers a live demonstration of ALC's manufacturing capability and innovative product solutions
- Pre-recorded videos on ALC products and production facility
- Can be broadcast through any streaming system including Zoom, Teams, Meet, Facebook Live, Twitch and YouTube





The ALC Liquid Packaging Liner Range



ALC Pillow Range

- Cost-Effective
- Fills best with flexible hose / articulating arm
- Requires some handling during filing



ALC Easy Quad

- No handling required during filling
- No operator supervision required
- Compatible with wide range of filling equipment
- Length width and height can be customized individually
- Less excess material + smooth walls = less residual and easier decant process



ALC Classic Quad

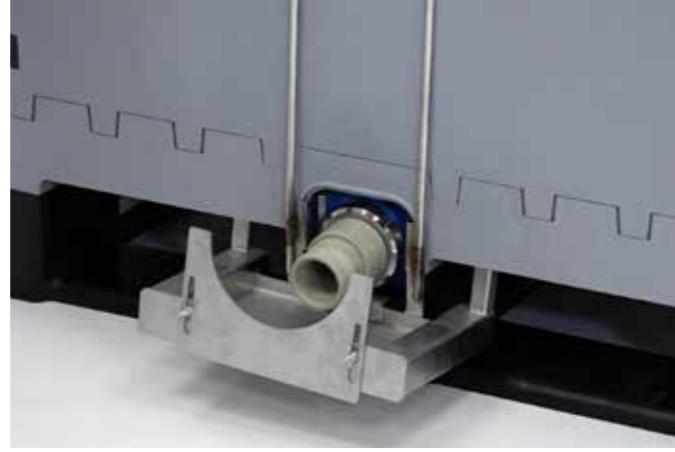
- Very little handling required during filling
- Compatible with wide range of filling equipment
- Length, width and height can be customized individually
- Less excess material + smooth walls = less residual and easier decant process
- Offers superior flex crack resistance during transport



ALC Auto Quad

- Direct alternative to rigid tank / bottle in cage solutions
- 6" inlet port suitable for automated conveyor filling as well as semi-automated filling lines
- Hands-free filling with no operator assistance required
- Easy installation process without handling the liner
- The specialized liner cassette protects the liner from abrasive environments
- Customization and specialized fitments available





ALC AIRMAX and ALC AIRMAX+

- Quad design for easy filling with minimal handling
 - Specially designed for high viscosity products
- Maximizes product yield while minimizing waste during product decant
 - One bottom system with fully automated product decant
 - Customizable sizes and fitments available
- The AIRMAX+ flagship model with specialized insert in the base of the liner reduces waste even further for products with very high viscosities



Fill and Dispense Fitments

A variety of Fill and Dispense fitments available for low and high viscosity and aseptic applications:

- 2" & 3" BSP compatible filling and dispense
 - 2" cam lock quick connect
- S100/3" valve in place for dispense (and bottom fill)
- DIN 50 sanitary valve in place for dispense and bottom fill
 - 6" butress for bulk filling
- Proprietary air connections for AIRMAX system (HV)
 - 1" & 32mm aseptic compatible for filling





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