



TCS (Thickness Compensation System) is KLV's ability to form container features with consistent wall thickness, enabling container strength, reliability and full UN rating with less plastic, less weight and approximately 18% less energy use in production.

KLV combines high performance polyethylene resin technology with advanced blow mold manufacturing equipment and processes to deliver the highest quality alternative in plastic tighthead containers. The technology behind our products is key to delivering superior value to our customers.

Resin Technology and Sourcing

We use only the highest quality and most advanced polyethylene resin from proven producers, like Nova Chemicals. Their technical guidance and analysis help us optimize processes to ensure the best resins are used in the most effective manner to produce low-cost, high-quality containers. Our goal for continual improvement in environmental sustainability is served through our working with suppliers and partners on initiatives targeting clean, energy efficient production, product innovation and lower environmental impact.

Blow Molding Technology

Our manufacturing equipment is among the newest and most advanced in the industry for design flexibility and end-product consistency. Our patent-pending Thickness Compensation System (TCS) ensures consistent wall thickness and integrity and meets all industry-standard UN performance requirements, while eliminating material and weight from the container.

Production Line Automation and Processes

Our production lines are highly automated yet closely monitored and optimized by knowledgeable and technically astute employees. All residual plastic is recycled through an automated retrieval, conveyance and shredding system, integrated full-time within each manufacturing line, which virtually eliminates waste.

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