North America’s premier and Canada’s lal

your first choice

Silgan Plastics’ ongoing success is the result of an unrelenting focus on customers. Our demonstrated ability to provide high levels of quality, service and technological support, along with our value-added design-focused products and our extensive geographic presence. By applying our consultative selling approach, we have cultivated some of the strongest customer relationships with leading automotive, industrial and home care supply companies. Our design teams can create unique packaging solutions to give your product differentiation from your competitors.

At Silgan Plastics, we embrace the trust our customers place in us. We understand the importance of our role in your success. Our commitment to investment in state-of-the-art equipment and cutting edge technology enables us to be the leader in innovative packaging solutions and blow molded products.

Silgan Plastics has a vast manufacturing footprint of 20 facilities in the United States & Canada, producing over 5 billion bottles, jars and closures annually. Our capabilities include extrusion blow, injection blow, stretch blow, injection molding, and co-injection molding. Our extensive footprint enables us to have multiple sites that run similar technology which allows for alternate supply options if the need arises. We are highly flexible with a wide range of platforms available, depending on size and complexity. This allows us to offer the optimal solution for each unique project.

where you need us

Silgan Plastics is a leading manufacturer of plastic containers in North America for a variety of markets including household, industrial, automotive, food, personal care, healthcare and specialty beverages. We produce plastic containers from a full range of resin materials and offer a comprehensive array of molding and decorating capabilities.

Our resources are focused on delivering rapid-to-market, cost effective, innovative packaging solutions. As your trusted advisor, we continually evaluate new resins, colorants and additives, assessing the impact that these materials can have on the manufacturing process and performance of your package. We are well positioned with over 700 stock and mold available bottles, jugs, jars, closures and fitments that range in size from 23cc to 30 liters and meet the highest quality requirements.

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materials & metrology

Silgan’s Metrology Lab also routinely completes bottle analysis to confirm conformance to dimensional and functional requirements. The lab is fully equipped to test all key attributes and dimensional characteristics of your package in order to provide a complete competitive package analysis. Our services include:

- Measurement of All Bottle Dimensions Including Neck ID
- Top Load Testing
- Drop Impact Testing
- Leak Testing and Pressure Vacuum
- Environmental Stress Crack Resistance (ESCOR) Testing
- Application and Removal Torque
- Accelerated Product Compatibility Testing
- MVTR per USP <677>
- Oxygen Permeation Testing

Package appearance and integrity are critical to consumer acceptance. At Silgan we provide color analysis, review opacity levels and can test the percentage of light transmission in the UV range for proper protection. When it comes to decorating, Silgan routinely tests Dyne levels for ink and label adhesion. Our lab also reviews label coefficient of friction and adhesive coat weight.

decoration

What decoration do you have in mind? From bottle design to decoration — we’ll make sure your brand gets noticed. Differentiate your stock or custom bottle with high impact decoration. Our engineers are particularly adept at handling difficult to decorate containers as well as combining multiple types of decoration.

- Shrink Sleeve Labeling
- In-Mold Labeling
- Pressure Sensitive Labeling
- Sleeve Labeling
- Heat Transfer Labeling
- Multi-Pass Silkscreen Printing
- Hot Stamping
- Printing on Closures

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Our in-depth trend analysis is just the start of the design process. There are a few key things that we take into consideration in the design of any package - environmental considerations, shelf appeal, performance & manufacturability of package. Material selection, weight reduction, and cube optimization are all factors that we consider as we look to provide a sustainable solution.

When it comes to shelf appeal, we work to design concepts that will stand out amongst the competition. From color selection, to shape and labeling, many things help contribute to a product’s differentiation.

Not only does a package have to look great and appeal to customers, it has to perform. Ergonomics and user-friendliness along with functionality and stability are all considered in our initial design ideations.

One thing we won’t do is design a package that is not manufacturable. We make sure that things like top fill, assembly, filling and decorating are all taken into the overall design of a package. We want to make sure that once we have worked with you to develop the concept, the package can go into production with out any roadblocks.

Conceptualizing and sketching are key elements in the creative design process. Our goal is to collaboratively create new customer inspired package designs so that you can rapidly move into the next stage of development. These sketches and concepts reflect current market and innovative next generation trends that can be reviewed and evaluated by your team.

From a dimensionally correct digital file, Silgan can create an FDM model using one of our in-house 3-D printers. This will give you a full size representation of your product that you can touch and feel.
With a multitude of production lines covering a variety of product sizes, consisting of world leading technology from Sabmann, Uniloy, Kautex, Bekum, Husky and Fischer, Silgan Plastics is ready to fill standard customer orders ranging from 2 Liters to 30 Liters.

We took on a challenge to design and develop our own robotic bottle handling system. Our production and test lines are highly automated, and modeled through statistical process control, allowing our personnel to focus on defect recognition and correction. Tools like weight control charts and defect tally sheets empower our entire production staff to be proactive within the constant improvement of the production line processes.

These innovations have reduced our scrap levels, increased our efficiencies, minimized our down time, and improved our overall manufacturing effectiveness. This has helped us remain competitive and is a feature only available to Silgan Plastics in Canada.

The most distinctive competitive advantage that Silgan Plastics possesses is our ability to innovate. We began to develop the most advanced product development design team in the industry and gave them access to the latest technology available in AutoCAD design and SLA modeling (Stereo Lithography Apparatus) software.

To enhance our design capability we use Blow Simulation Software to simulate the molding process prior to manufacturing molds. This helps us ensure that the design criteria are met and viable. At that point we are able to utilize FEA (Finite Element Analysis) software to confirm the structural integrity of the product.

To visually communicate the design intent of the 3D product to our customer, we use Adobe Acrobat 3D software technology to embed the CAD 3D interactive content into a PDF page. The client can then mark up and make comments to the document and email it back to us so that we can incorporate their alternations into the final design.

Because our mold design is developed in conjunction with the blow molding process we are able to provide a 100% success rate in meeting the objectives of the customer. Our competition generally relies on outside industrial design houses and third party mold makers who do not understand the complexities of the blow molding process. In addition we have in-house capabilities to design and develop customized tooling to enhance the manufacturing process.

The whole idea is that it’s a team effort and we all have input on a design. We look at what’s feasible, what’s mold-able, and what’s able to meet quality standards. All these factors come into play, as well as what the customer wants.

We control the whole process from start to finish. We only offer solutions that are manufacturable. We came up with a product that we’re positive is going to work before we go through the molding steps. Silgan Plastics has leveraged its expertise in the development of multiple compartment molds to enable shipping of multiple products in one container. In addition, the company is a leader in the development of ‘pinched handle’ molds, which prevent residue from accumulating in the handles of containers.

Quality assurance isn’t just the absence of mistakes. Quality is the result of understanding its importance to customers in everything we do. Only then can we empower every Silgan Plastics employee to take personal responsibility for it and make quality a point of difference with our customers. Critical to success is our Quality On The Mark program, a program that has influenced the development of our entire range of business and production methodology.

Silgan is recognized by its customers for exceptional service, quality, reliability and value while enabling mutually beneficial partnerships and growth. To be the Quality Leader in rigid packaging we practice quality in everything we do. We implement standardized processes and systems to ensure a companywide commitment to meet all customer requirements. We measure our performance and take a proactive approach to eliminate risks. We put in a deliberate effort to understand our customers’ expectations and to meet or exceed them. We take a proactive approach to ensure that Quality is on the Mark.

In order to meet our objectives we continually review and improve the effectiveness of our processes. At Silgan, keeping our promise of quality is a principal that guides all of us in every facet of our business. We continued to build on our quality successes and are registered to ISO 9001. This registration includes meeting selected requirements of QS 9000 and G.M.P. The G.M.P. addresses manufacturing requirements stipulated by both H.P.R. (Canada) and F.D.A. (U.S.A.).