

# ABA Packaging Corp.

Founded in 1984, ABA Packaging Corp. continues to be the go-to source for stock and custom packaging products for the cosmetic, fragrance, personal care, spa, and the emerging cannabis, cosmetic CBD and hemp derivative product markets from coast-to-coast. With a sales department sporting a combined 120 years of sales and technical expertise serving these industries, ABA Packaging is the trusted source for Start-ups, Indie Brands, Mid-Level Marketing groups, as well as the larger Blue-Chip names. We treat everyone with great importance regardless of size! We sell our products in many cases by the hundreds, by the thousands, and by the millions. We want to grow with you!

To compliment our wide variety of stock and custom packaging products, we offer complete decorating capabilities including color spray and frost coatings, screen and hot-stamp printing, custom label development and applications, anodizing, metalizing, and in some cases, off-set printing.

We maintain a strong support network for design, regulatory, engineering, and secondary packaging assistance and we are happy to provide referrals and work in unison with these experts to develop the most effective packaging products for our clients.

ABA now offers Eco-Friendly, 100% recyclable aluminum bottle and jar packages, certified PCR content plastic bottles tubes and jars, and PCR content glass bottles and jars. We maintain shelf-stock on hundreds of items, and we decorate what we sell.

### Key Personnel

- Liana Marchese, Director of Sales
- Michael Warford, New Business Development



### Ask Us About!

Let us help you find the most effective, appealing, and Eco-Friendly packaging options for your products. Offering a wide variety of packaging products, we have packages that are the right fit for you.

**ABA Packaging Corporation**  
740 Blue Point Road  
Holtsville, NY 11742  
800-443-9799, 631-758-4200  
Fax: 631-758-4295  
Email: [info@abapackaging.com](mailto:info@abapackaging.com)  
[www.abapackaging.com](http://www.abapackaging.com)



### Major Markets

- Cosmetic
- Fragrance
- Personal care
- Spa and Point-of-Sale
- Cannabis, cosmetic CBD and Hemp-Derivatives



### Major Products

- Stock and custom glass fragrance and treatment bottles
- Stock and custom glass and plastic jar packages
- Custom lux aluminum bottles and cans (including threaded neck and crimp styles)
- Stock and custom threaded and snap-fit aluminum jar packages
- Stock and custom plastic bottles
- Custom plastic tubes (mono & multi-layer, ABL and Polylami)
- Stock and custom plastic, metal, and wood caps and closures
- Stock and custom fine mist, treatment, and lotion pumps
- Stock and custom droppers
- Stock and custom rollerballs/roll-ons
- Stock sampler bottles and vials
- Stock German Quality cosmetic pencil sharpeners



### Specialized Services

Custom Decorating of the products we sell  
Design, Regulatory, and Technical Assistance

See our ad on page 17

## Accra Pac India

Accra Pac Group USA, established 1967 in Elkhart, IN, went on to become the second largest contract packager for aerosol and liquid products in the US & Canada. It was a pioneer in the concept of total packaging having a cutting edge with innovative technology serving the major fortune 500 firms in the food, automotive, household, personal care & pharmaceutical industries. Accra Pac India Pvt Ltd, established 1979 in Vapi, Gujarat, has emerged as an industry leader in contract manufacturing of consumer products. It has grown steadily throughout the years, earning the respect of customers and suppliers alike for its responsiveness, accessibility, technical knowledge, product quality and deliverance.

### Services Provided

- Turn Key Solution
- Contract Packaging
- Custom Formulation
- Research & Development
- Sourcing of Raw and Packing materials
- Materials logistics
- Testing facilities, including analytical & microbiological laboratories
- Manufacturing
- Quality Assurance and Quality Control
- Product Deliverance
- Process and Product validation and stability verification services
- Warehousing and Distribution
- Customer service and Marketing
- Flame Proof Walk-In Stability Chambers for Aerosols

### Key Personnel

- Munna Shah: Managing Director, [munna.shah@accrapacindia.com](mailto:munna.shah@accrapacindia.com)
- N Leeladhar: CFO, [leeladhar.nagappa@accrapacindia.com](mailto:leeladhar.nagappa@accrapacindia.com)
- Sahil Shah: VP - Sales & Marketing, [sahil.shah@accrapacindia.com](mailto:sahil.shah@accrapacindia.com)
- Toronez Hataria: Sr. Customer Service Manager, [toronez.hataria@accrapacindia.com](mailto:toronez.hataria@accrapacindia.com)

### Markets Served

- Personal Care
- Pharmaceutical OTC
- Ayurveda / Herbal
- Cosmetics & Toiletries
- Household
- Automotive
- Industrial
- Speciality Products

### Highlights

- ISO 9001, 14001, 22716 and 45001 certified from Intertek
- WHO GMP certified
- SAP S4HANA certified
- Comply with NFPA 30B Safety Standards, US-EPA approved
- Purified water system
- Exporting to USA since 2005
- Stability Studies and Testing
- BOV filling

#### Sales office—USA:

**Samir Shah, President**  
Accra Pac Holding Co., LLC  
6435 West Jefferson Blvd. Suite 151  
Fort Wayne, IN 46804  
Cell: +1(765) 326-0005  
[samir.shah@accrapacindia.com](mailto:samir.shah@accrapacindia.com)

#### Corporate Office—Mumbai

503, Rajanigandha, Prof. V.S.  
Agashe Road, Dadar (W),  
Mumbai - 400 028, India  
T: +91 73032 58963

#### Manufacturing Plant-Vapi

Plot No. 1105, Phase III, G.I.D.C.,  
Vapi, Gujarat – 396 195, India  
T: +91 (260) 2430996 / 2422856



## ACCRA PAC

HIGHEST QUALITY AEROSOL FILLER



THINK  
**AEROSOL,**  
THINK  
**ACCRA PAC**



# Aerofil Technology

Since 1988, Aerofil Technology, Inc. has been focused on delivering extraordinary value for their customers' brands. For many companies, Aerofil has proven the most attractive option when a decision is made to exit the manufacturing side of the business and outsource the production of aerosol and liquid products. This is due to Aerofil's reputation of being the most responsive, collaborative, and operationally excellent independent contract filler in the North American market. As Aerofil moves forward, they plan to remain an independent aerosol filler and not own any brands that compete with their customers. All of their R&D and innovation efforts are conducted jointly with their customers.



The Aerofil campus in Sullivan, Missouri includes a 400,000 square foot manufacturing facility, surrounded by four 30,000 square foot warehouses.

The campus features:

- 8 aerosol filling lines.
- 4 liquid filling lines.
- 4 custom special packaging lines.
- 2,500 square-foot, state-of-the-art Technical Center featuring R&D, Analytical and Microbiology labs.
- A 180,000-gallon propellant tank farm containing DME, 152a, 134a, 1234ze, CO<sub>2</sub>, Nitrogen, Hydrocarbons, and multiple blends. On-line labeling, shrink sleeving and bundling at high-speeds.
- Aluminum and steel can handling capabilities.
- 52-trailer drop lot that allows Aerofil to pre-load trailers so your drivers spend less time waiting, and more time on the road.

The Aerofil Leadership Team has the perfect blend of expertise in Lean Continuous Improvement and experience in the packaging industry. With more than 300 years of combined experience, they are not only recognized as experts within the industry, but are the guiding coalition of their Continuous Improvement philosophy.

### A Culture of Innovation

At Aerofil, we're always looking towards the future, investing in technology and processes that further improve our production capabilities through increased efficiency, quality, automation, and flexibility, allowing us to set new standards in aerosol production. We believe that working side-by-side with our employees, customers and suppliers has allowed us to drive the continuous improvement culture that has made us the company we are today. We believe in leading by example, within our company on a peer and employee level, but also within our industry, and our partners' industries. We know that this culture of continuous improvement starts with our team and extends out to better their experiences and those of everyone we work with.



### Markets Served

- Personal Care
- Household
- Automotive
- Industrial
- Insecticide

### Services Provided

- Aerosol filling
- Liquid filling
- Full service Technical Center
- Technical resource support
- Lab testing

### Key Sales Personnel

- Ryan Montgomery, Director of Sales & Marketing  
rmontgomery@kdc-one.com
- Jan Coffman, Sales Manager  
jcoffman@kdc-one.com
- Jessica Berti, Sales & Marketing  
jberti@kdc-one.com

**Aerofil Technology, Inc.**  
**225 Industrial Park Drive**  
**Sullivan, Missouri 63080**  
**P: 573-468-5551**  
**sales@kdc-one.com www.@kdc-one.com**



# Aptar Pharma

### From Formulation to Patient - Your Go-to Drug Delivery Expert

For pharma customers worldwide, Aptar Pharma is the go-to drug delivery expert, providing innovative drug delivery systems, components, active material science solutions and services across the widest range of delivery routes including nasal, pulmonary, ophthalmic, dermal and injectables.

### From Spray to Aerosol – Innovative Solutions for the Broadest Range of Topical Applications

**Aptar Pharma's Bag-on-Valve Technology Platform – The widest range of continuous dispensing**  
Aptar Pharma's BOV continuous dispensing technology delivers a clean, superior product application based on our best-in-class barrier function, customizable flow rates and optimized convenient handling for the users. Our BOV enables for the widest product range from nasal to dermal and it offers strong brand portfolios through versatile application formats.

With our latest nasal actuator innovations, Pacifica Soft and Pacifica Duo, we offer highly convenient and flexible actuator choice to cover patients' and consumers' needs from baby to senior.

### PureHale® – The industry's first portable nebulizer-like device for upper respiratory care

Aptar Pharma's PureHale® Technology Platform is the industry's first cordless, ready-to-use, nebulizer-like device. Its innovative technology distributes a continuous fine mist that gently cleanses, moisturizes and soothes the upper respiratory tract. When used in combination with saline or other natural ingredient formulations, PureHale® helps prevent or relieve symptoms of upper respiratory system conditions such as coughs, colds, allergies, dry nose and throat, and other irritations.



### Classic Line – The proven multi-dose Spray Pump System

Aptar Pharma's Classic Line offers outstanding modular options to realize the broadest ranges of applications for nasal, oral, dermal and otic drug delivery. Its diverse actuator families can also fit your specific formulation requirements, from higher viscosities to liquid gels to suspensions and solutions.

Our Classic Line Spray Pump offers functional features such as upside-down use, dose counting pumps or the Child Resistant Senior Friendly (CRSF) closure for nasal sprays. The wide variety of choices allows for brand differentiation for both prescription products as well as over-the-counter solutions.



### APF Futurity™ - Aptar Pharma's first metal-free, highly recyclable nasal spray pump

Our latest innovation, the APF Futurity™ pump, represents our first nasal spray packaging solution that is rated "highly recyclable" because of our use of only plastic materials, and absence of metal parts. The APF Futurity™ recyclable pump fulfills state of the art sustainability requirements for multidose nasal spray systems while maintaining the precise and reliable nasal dosing capabilities you expect from Aptar Pharma.



Aptar Pharma  
250 North Route 303  
Congers, NY 10920  
Info.pharma@aptar.com

Aptar   
pharma



# Capmatic

### Our Range

Nail Polish, Lacquer, Gel, Glitter, Remover, Nail Glue, Cream, Balm, Perfume, Fragrance, Liquid Cleanser, Hand Sanitizer, Conditioner, Shampoo, Hair Color, Oil, Toner, Mascara, Lip Balm, Roll-On & Stick Deodorant and many more!

### Our Machines

Unscramblers, Sorters, Cleaners, Fillers, Pluggers, Crimpers, Collar Placers, Cappers, Over Caps, Trigger Cappers, Pump Cap Cappers, Labelers, Custom Built Solutions, Complete Packaging Lines Automation & Robotics for the future

### Over 59 Years of Excellence

Our legacy dates back to 1964. Capmatic® Ltd, your reliable partner has served industries with distinction in the packaging world.

### Quality & Compliance

We view F.D.A. and cGMP guidelines as commitments, not just standards. Experience our custom-built, high-quality packaging solutions.

### Innovation & Design

We blend European elegance and cutting-edge technology in our designs. Enjoy our superior performance, unmatched reliability, and safety.

**Pioneering Solutions** Our ingenuity and dedication set us apart. Join us on a journey of pioneering solutions in the automated packaging industry.

### Innovation & Design

We blend European elegance and cutting-edge technology in our designs. Enjoy our superior performance, unmatched reliability, and safety.

### Pioneering Solutions:

Our ingenuity and dedication set us apart. Join us on a journey of pioneering solutions in the automated packaging industry.



H.Q.: Montreal, Canada  
1-514-322-0062

U.S.A.: Cypress, California  
1-714-893-0202

Europe: Dublin, Ireland  
+353-1-883-1695

sales@capmatic.com  
www.capmatic.com

# CCL Container

CCL Container is the leading North American manufacturer of impact-extruded aluminum aerosol and specialty containers offering a complete range of sizes, shapes, styles and neck configurations. Its manufacturing operations use the most advanced processing systems in the industry today. State-of-the-art manufacturing lines produce finished containers from the 35mm travel size to the oversized 76mm format, with a total manufacturing capacity of 650MM+ units at 200 units-per-minute. Computerized multi-color in-line printing, color control and other critical functions yield containers of superior quality and uniformity.

### Locations

CCL Container is headquartered in Hermitage, PA and operates three manufacturing facilities in North America. In addition to its Hermitage, PA plant, other locations include Cuatitlan and Guanajuato, Mexico. All are ISO 9002 Registered.

### New Products & Technology

The CCL Product Development Team is unsurpassed in its ability to design and develop breakthrough solutions to the most complex challenges. They consistently uncover leading edge aluminum packaging solutions to help create the next great market success. BodyShapes™, CCL Container's innovative shaping technology for rigid aluminum packaging, allows for a variety of dramatic curves and contours throughout the entire length of the container.

### Key Personnel

- Kimberly Kizer, Vice President of Sales and Marketing
- [kkizer@cclind.com](mailto:kkizer@cclind.com), 724-981-4519 ext. 357

### Services Provided

CCL Container offers an unsurpassed combination of experience, expertise, resources, and capabilities for the development and manufacturing of innovative, brand-building aluminum aerosol containers. Complementing this are the company's equally impressive shaping and decorating abilities. Shapes range from soft, subtle contours to more dramatic cut angles. Design effects include metallic and pearl basecoats, brushed aluminum, high gloss, matte, textured and other finishes.

### Markets Served

- Personal Care
- Hair Care
- Household
- Industrial/Automotive
- Agro-Chemical
- Pharmaceuticals
- Food
- Beverages

### More About CCL Container

- Dynamic Graphics & Decorating
- Full Length Contouring & Shaping
- Exceptional, Responsive Services
- 100% Recyclable Aluminum
- Rust-Free Construction

**CCL Container**  
One Llodio Drive, Hermitage, PA 16148  
[cclcontainer.com](http://cclcontainer.com)  
[infocontainer@cclind.com](mailto:infocontainer@cclind.com)  
(724) 981-4420



# Chase Products Co.

A privately held company founded in 1927 as an insecticide manufacturer, Chase Products Co. began filling aerosol containers in 1946. Since then, Chase has had an active role in the growth of the aerosol industry worldwide, and has been responsible for many innovations in pressurized product development. In 2023, Chase was acquired by H.I.G. WhiteHorse.

Chase currently manufactures cleaners; polishes; air fresheners (including metered sprays); disinfectants; insecticides; paint, automotive, industrial and MRO products; personal care products; and seasonal and craft products. Chase's Santa® Snow, an aerosol with annual appeal, is carried by nearly every mass retailer in the U.S.A. and Canada.

### Services Provided

Full manufacturing and filling capabilities, plus an in-house R&D laboratory; Legal & Regulatory department; Graphic Arts department; and EDI capability.

**Production Profile:** Five lines, including single and double index and rotary fillers and in-line and rotary gassers. Gas capabilities include straight hydrocarbon and hydrocarbon blends, nitrogen, CO<sub>2</sub>, and 152a. All gas is pressure-filled.

**Container Capabilities:** All standard three-piece aerosol cans, numerous sizes of aluminum tubes, DS two-piece containers.

**Valve/Cap Capabilities:** All standard valves, a variety of standard and non-standard caps, including metered spray L-tips, FIBS and IBS spray-through caps and numerous specialty/hand-applied caps. Exclusive use of one-inch E-twist cap.

**Label Capabilities:** Plastic/poly on multiple lines, and standard cut/stack paper.

**Pack-out Capabilities:** Wide variety of standard corrugated options, wide variety of specialty hand pack-out capabilities for chipboard/display/point-of-purchase packages. In-house shrink wrap/multi-pack capabilities.

### New Products

Chase's newest product line is Chase's Clean Home™ Disinfectants, NBE formulations offering profitable control brand alternatives for retail shelves (*Disinfectant Spray EPA Reg. No. 498-179 effective against COVID-19 Virus*). And the Chase's Home Value™ line is tailored for retailers looking for unique opportunities. This line provides a range of effective, attractively-priced products including household cleaners and polishes, bathroom cleaners, disinfectants, spray starch, Smooth Track® shave creams and KillZone® insecticides.

### New Technologies or Patents

Green World N® is the first full line of EPA Safer Choice certified continuous-spray professional cleaning products. The six products are made from biodegradable CleanGredients® and utilize natural nitrogen as a propellant.

### Markets Served

All markets, excluding FDA OTC products

### Key Personnel

- Judith Albazi, President
- Ernesto "Ting" Hidalgo, VP Manufacturing
- Anthony Albazi, Corporate Sales Director
- Kevin Brandush, National Sales Manager, Professional Products Division

Chase Products Co. / Chase Products Co. (DE)  
2727 Gardner Road  
Broadview, Illinois 60155  
(800) CHASEco  
sales@chaseproducts.com  
www.chaseproducts.com



See our ad on page 73



# The Chemours Company

The Chemours Company is a global leader in supplying propellants for consumer and industrial aerosol products. Chemours, however, provides more than just the propellant that goes into a can. Chemours brings over 200 years of science, technology and safety expertise that provides customers with quality products, and safe, innovative solutions for their toughest challenges.



The Chemours family of propellants provide versatility, performance, and safety for aerosol packages, balancing regulatory compliance with proven product performance, combined with reliable domestic supply.

In household and commercial aerosol products, customers can blend propellants from Chemours together, or with hydrocarbons, for effective delivery of both water and solvent-based products. Our HP DME also enables VOC reduction by allowing replacement of VOC solvents with water.

HP DME offers high water solubility and great solvency. HP 152a is classified as a non-VOC, allowing for direct replacement of VOC ingredients. It meets strict air quality standards with a dry, high-performance spray. In addition, HP 152a's low heat of combustion can reduce warehouse storage costs.

Note the "HP", High Purity, designation replaces the former Dymel® brand, but rest assured the products are the same; providing the same high quality, and serviced by the same reliable supply chain you know and trust—now Chemours.

### Key Personnel

Jed Seay – Executive Account Manager - Propellants from Chemours - [jed.r.seay@chemours.com](mailto:jed.r.seay@chemours.com)

Mark Robin – Sr. Technical Services Consultant - [mark.l.robin@chemours.com](mailto:mark.l.robin@chemours.com)

Al Thornton - Business and Market Manager, Propellants from Chemours - [alfred.thornton@chemours.com](mailto:alfred.thornton@chemours.com)

### Products or Services Offered

Propellants from Chemours are offered and sourced worldwide and shipped in containers ranging in size from 55 kg to 20 metric tons. In addition, Chemours has a vast array of technical, engineering, safety and product stewardship resources available to our customers.

### Markets Served

Household and commercial applications.

**The Chemours Company**  
1007 Market Street  
Wilmington, DE 19899  
[www.chemours.com](http://www.chemours.com)  
302-773-1000

# Condensa

Manufacturers and suppliers of aluminum packaging for different industries. More than 50 years of experience supplying for leading brands and main contract fillers in the US, Canada and Latin America, amongst other markets.

We are committed to finding solutions that adapt to the needs of our customers. At Condensa we will support you at every stage of your project through an experienced sales team, expert design and quality departments, an active customer service team, and different warehouse and delivery options to best suit your needs.



### Products

- Aerosols: 1 inch opening bottles in a variety shapes and sizes.
- Perfumery bottles: 20 mm opening bottles.
- Vitamin Packers: 38/400 threaded bottles.
- Threaded bottles: 24/410 threaded bottles with open and rolled neck.
- ROPP 28 bottles: 28 mm opening threaded bottle.
- Beverage bottles: Crown cap bottles.

All our products have the option of printing the decoration directly on the packaging, giving your products an enhanced Look & Feel and shelf presence.

### Industries

- Nutraceuticals and Pharmaceuticals
- Personal Care & Beauty
- Home care
- Industrial
- Food and Beverages
- Veterinary
- Specialties

### Key Personnel

- Matías Levit – CEO – [matias.levit@condensa.cl](mailto:matias.levit@condensa.cl)
- Rodrigo Vera – VP of Sales – [rodrigo.vera@condensa.cl](mailto:rodrigo.vera@condensa.cl)
- Tim Marcely – Senior VP of Sales – [tim.marcely@condensa.cl](mailto:tim.marcely@condensa.cl)

**We are committed to delighting our customers by providing quality products and dedicated, customized service.**



### Condensa

**Sales: Avenida Vitacura 3565**

**Office 202, Santiago, Chile.**

**Zip Code: 7630532**

**Factory: Avenida Argentina 2698**

**Arica, Chile. Zip Code: 1020032**

**[www.condensa.com](http://www.condensa.com)**

**[contact@condensa.cl](mailto:contact@condensa.cl)**



See our ad on page 16

# DS Containers

Founded in 2005, DS Containers offers customers innovative two-piece laminated steel and one-piece D&I aluminum aerosol cans with the shortest lead-times and outstanding sustainability benefits

### Key Personnel

- Matt Kuehn: CEO
- Rich Brolly: Executive VP
- Kevin Richards: VP Sales, Marketing, and Technical Support
- Andy Collantes: Director-Technical Services
- Jeff Pray: Manager-Quality and Food Safety
- Gina Bucciarelli, Jack Childers and Tyler O'Neil: Director of Sales

### Products Offered

Two-piece PET laminated tin-free steel containers with no side seam, an integral dome, corrosion resistant interior and a contemporary shape. Customized printing in up to eight colors. Industry leading lead times and smallest MOQ's for printed cans. Six sizes available; 205 x 604, 205 x 710, 211 x 315, 211 x 413, 211 x 604, and 211 x 713. Now also offering debossing as an option for the 211 x 604 and 211 x 713 sizes with an all-around Spiral pattern as well as custom deboss pattern design opportunities.

DSC Also offers drawn & ironed (D&I) aluminum aerosol cans produced that offer our customers the sustainability advantage of inherent recycled aluminum content. We have combined existing D&I can manufacturing methods with the latest aerosol can necking and shaping technologies arranged in a unique modular line layout. The arrangement incorporates a coil-to-can process which produces cans at higher speeds. Our aluminum can portfolio includes 44 and 53 mm diameters with a various height options produced in a manufacturing layout utilizing dual in-line decorators and multiple shaping machines. Our technology and approach provides reduced lead-times and MOQ's while delivering unparalleled service and quality.

### Markets Served

- Automotive
- Duster
- Food
- Household Products
- Industrial
- Insect Spray
- Paint
- Personal Care

**Headquarters:**  
1789 Hubbard Avenue  
Batavia, IL. 60510  
Tel: 630-406-9600  
Fax: 630-406-1438  
[www.dscontainers.com](http://www.dscontainers.com)



# DSC

## DS CONTAINERS



See our ad on page 15



# Formulated Solutions

### Innovate • Formulate • Create

Formulated Solutions is now known as one of the most innovative contract manufacturing and formulation development companies (CDMO) in North America. With two FDA approved pharmaceutical production facilities, >850 employees, and nearing one million square feet of combined production, lab, office, and warehouse footprint, Formulated Solutions exists to enhance consumer healthcare products through creativity and invention, delivering our Marketing Partners unmatched formulations, innovative packaging and cost effective reliable supply of semisolids, Aerosols, Bag on Valve, and our exclusive eN<sub>2</sub> fused™ WHIPPED dispensing platform.

These days every contact manufacturer claims to innovate. We're different... We walk the walk! Every year we commit 30% of our research and development efforts to purely speculative development. Why? So that we stay on the cutting edge of consumer healthcare technologies, and are able to ensure that you, our brand partner, is in a perfect position to offer your customers differentiated products that they will love.

We have a reputation for creative problem solving. We open the doors no one else can. Our expert team of scientists and engineers will work alongside your in-house R&D, supply chain, or marketing staff to develop that difficult to formulate/ difficult to fill consumer healthcare solution. Our uniquely inventive thinking creates tremendous value for our brand partners and makes us the ideal choice for full turnkey consumer healthcare CDMO solutions. Formulated Solutions does not market any of its own products, nor manufacture store brands.

### Industries Served:

- Consumer Healthcare
- Branded Rx
- Medical Device
- NDA and OTC Monograph

Our pharma-grade facilities and manufacturing equipment are impressive, but we are so much more than buildings and machines. We are your invested consumer-focused partner. We want to help you create game-changing innovations that will result in products your consumers love to use and will drive your bottom line and our expert team of scientists and engineers stand ready to do so.

Formulated Solutions is and shall always be a company of people with the knowledge and dedication to provide our Marketing Partners, a single source solution for delivering quality and innovative products to market. We shall embrace changes and new opportunities as a vehicle to continually develop and grow sustainable relationships. As a company we shall never accept anything less than a culture that fosters creativity, growth and profitability for both our Partners and the company"

Our focus on innovation allows us to offer you, and your customers, products that other CDMOs simply can't.



**Formulated Solutions, LLC**  
**Headquarters: 11775 Starkey Road**  
**Largo, FL 33773**  
**Tel: 1-888-643-8826 / Fax: 727-373-3990**  
**Formulatedsolutions.com**  
**websales@formsol.com**

See our ad on page 13

# Gerstung Aerosol

Gerstung Aerosol is a family owned custom packaging machinery manufacturer, established in 1960. Back then we introduced a revolutionary new method for pressurizing aerosol containers. The orbital shaking, combined with propellant filling, provides the action necessary to excel the absorption of propellant into water-based and viscous concentrates. With this preferred packaging industry method of gassing, it eliminates the need for additional product handling.

Our innovative products are engineered with simplicity in mind, ask the man who owns one. This pioneering technique has gained complete acceptance and contributed to the widespread growth of aerosols in existing and new markets worldwide.



### Products

- **Single Head Laboratory Gasser/Shaker**

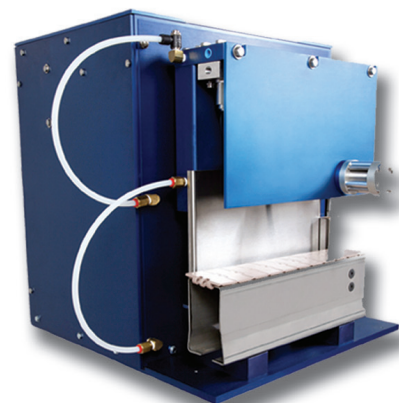
The precise cyclic motion lends itself to enhance absorption of propellant throughout the product more quickly and completely. This machine is designed for manual operation and is really great for testing products with CO<sub>2</sub>.

- **Manual/Automatic 6 Head Gasser/Shaker**

This machine features the same simplicity of design as our Production 16 Head Gasser/Shaker. The precise cyclic motion lends itself to enhance absorption of propellant throughout the product more quickly and completely. This machine is designed for manual operation. Conversion parts would be available to modify for automatic production (20cpm).

- **4 Head Inline Production Crimper**

The latest model of our 4 Head Crimper, incorporates our proven method of Inline can handling. With absolutely no motors, gears, springs, minimal CFM and nothing to adjust, this machine truly is INNOVATIVE! Capable of 4 cans every 4 seconds, 60 cpm, it can be attached to your current running conveyor. Crimps all 1" standard containers and will accommodate one can diameter with various heights, no change parts. Various can diameters are available.



6-Head Production Gasser/Shaker

### Locations

- Spokane, WA – R&D
- Riverside, CA – Manufacturing, assembly and equipment staging facility

### Services Provided

Installation Supervision

### Key Personnel

Greg Gerstung, Greg@gerstungaerosol.com

### Patents

Valve for Pressurized Dispensing Cans – 1989 and 1990

### Markets Served

- Food
- Personal Care
- Household Products
- Insect Sprays
- Industrial
- Automotive
- Pharmaceutical



4-Head Inline Production Crimper

**Gerstung Aerosol**  
419 W. Ivanhoe Road  
Spokane, WA 99218  
www.gerstungaerosol.com  
Tel: 760-780-9870



# H&T Presspart

H&T Presspart is a global leader in the design, development and manufacture of dispensing actuators for the pharmaceutical and healthcare market.

With over 50 years' experience in the manufacture of injection-molded components, it is easy to see why H&T Presspart is the partner of choice for some of the biggest names in the pharmaceutical and healthcare industry.

Our multi-component high-speed line injection moulding takes place in an ISO 8 clean room, and assembly in an ISO 7 clean room at our manufacturing site in Tarragona, Spain. We also offer in-line dry-spray-pattern testing and a range of packaging options.



## H&T PRESSPART

### Products and Services Provided

H&T Presspart offer a flexible range of dispensers and actuators which are suitable for a variety of mechanical spray pumps and aerosol valves with different stem blocks.

With a product range that includes oral, ear and nasal and topical applications, H&T Presspart's products are perfect for a wide number of industries including pharmaceutical, personal care and cosmetics.

H&T Presspart works closely with their customers to guarantee all specifications are met with spray nozzle, tube length and angle all adaptable to specific customer needs. With manufacturing facilities in Tarragona Spain, H&T Presspart offer a complete product development service for customers from the 3D CAD design concept stage right through to full industrialization of the product.

### Key Personnel

- Mario Franco- Sales Manger

### Markets Served

- Pharmaceutical
- Personal Care
- Household Products
- Cosmetics



### Presspart Manufacturing

Avda del Foix s/n

Parque Empresarial "El Foix"

43720 L'Arboc, Tarragona

Spain

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Email: [mario.franco@presspart.com](mailto:mario.franco@presspart.com)

[www.presspart.com](http://www.presspart.com)



# Haumiller Engineering

Aerosol manufacturers worldwide have trusted Haumiller for over 60 years to produce the industry's most reliable tipplers, cappers and valve inserters. With over 1000 change parts for every tip and cap imaginable produced, we continue to take on the most difficult challenges our customer's face.



Haumiller constantly invests in improvements that support our customer's overall production efficiencies. The result is equipment that delivers the highest level of performance available. Haumiller offers a variety of equipment models that can meet your individual requirements.

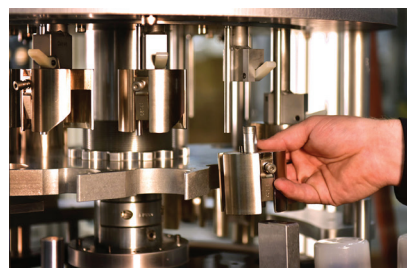
- **Rotary Valve Placer** – Speeds up to 450 cans per minute. Dip tubes up to 12" long. Reliable method for placing all aerosol valves, including bag-on-valve.
- **Valve Feeder** – Operational efficiencies of 95% or higher. Dip tubes up to 12" long. Speeds up to 350 parts per minute.
- **Can Orientor** – Speeds up to 450 cans per minute. Orient and position cans for cap or tip placing applications that require radial orientation.

### Products or Services Offered

- Ball Droppers
- Cappers
- Can Orientors
- Tipplers
- Tube Taper
- Valve Feeders
- Valve Inserters
- Custom Applications – Continuous Motion

### Key Personnel

- Celeste Jenkins – [cjenkins@haumiller.com](mailto:cjenkins@haumiller.com)



Haumiller Engineering  
370 Joseph Drive  
South Elgin, IL 60177  
Telephone (847) 695-9111  
[www.haumiller.com](http://www.haumiller.com)



# ITW Sexton



ITW Sexton has been a global leader in the design and manufacture of two-piece aerosol cans for over 60 years.

With a variety of styles and sizes from which to choose, ITW Sexton's product line makes it easy to select the ideal packaging solution for a wide range of products; from high-pressure, specialty gases to low-pressure consumer goods. Backed by the ITW family of companies, ITW Sexton is the preferred can supplier for specialty, high-pressure refrigerant gases such as R-134a, HFO-1234yf, R-410a, and hydrocarbons across the globe.

### Products Offered

ITW Sexton manufactures two-piece, tinplate steel containers in both high and low-pressure configurations. Available in a variety of sizes including 202, 211, and 300 diameters, our product line makes it easy to select the ideal packaging solution with a wide range of standard and customized containers. From our smallest 202x406 to our largest 300x1006, every ITW Sexton can is available in dome or step profile. Additional services include unlimited base coat color options, customized printing in up to eight colors, and our industry leading Patented Pressure Relief Device (PRD).

At ITW Sexton, we've earned ISO, UL, and U.S. Department of Transportation (DOT) certifications to ensure that every aerosol can is of the highest quality. With a devotion to quality that sets the industry standard, you can be sure that each one of our containers are structurally-sound and will deliver the safety and performance that your customers demand.

### Key Personnel

- Elizabeth Dietrich – Business Unit Manager
- Jim Krueger - Business Development Manager
- Erica Summerhill – Key Account Manager
- Terry Widner – Customer Service Manager

### Patented Pressure Relief Device

ITW Sexton's patented Pressure Relief Device (PRD) is the optimal choice for maximum aerosol safety and performance. By allowing contents to evacuate safely through the bottom, ITW Sexton cans with available pressure relief device remain intact in the event of over pressurization – reducing the likelihood of severe injury if the can is mishandled during use, storage, or transportation.

Our engineering team's persistent focus on the safety and structural integrity of our cans, combined with over 60 years of technical expertise securing and maintaining numerous DOT special permits, have made us the number one choice of high-pressure containers throughout North America, Asia, Europe, and Central and South America.

### Markets Served

- |                          |                            |
|--------------------------|----------------------------|
| • Automotive Refrigerant | • Industrial               |
| • Hydrocarbons           | • Household Products       |
| • Dusters                | • Other Specialty Products |
| • Insecticides           |                            |

### ITW Sexton

3101 Sexton Road SE

Decatur, AL 35603

Tel: 888-739-8662 Fax: 256-351-8730

[www.sextoncan.com](http://www.sextoncan.com)



Watch  
Our  
Video



Our industry-leading array of services complements the entire ITW Sexton product line including:

- Engineering and Prototyping
- Custom Product Labeling
- Inventory Management
- Volume Pricing
- Blanket Orders
- Just-in-Time (JIT) Delivery

# LINDAL Group

LINDAL was founded in 1959 and today is one of the world's market leaders in aerosol dispensing technology. LINDAL Group offers a broad range of standard and custom aerosol dispensing solutions and have become a partner of choice for many of the world's most prestigious, innovative and trusted brands.

LINDAL's product offering includes a comprehensive range of valves, actuators, barrier packs and associated accessories that address the technical and aesthetic requirements of customers, enabling them to differentiate and excel in an increasingly competitive marketplace.

LINDAL continually invests in new facilities, infrastructure and equipment. The company recently invested \$25m in a landmark facility in Brazil. This follows on from the recent \$20 million investment for the U.S. market for a 100,000-square foot, state-of-the-art production facility in Columbus, Indiana, which expanded the aerosol leader's product portfolio and production capacity. Recently, LINDAL Group has acquired an equity stake in biotechnology company B4Plastics, a Belgium-based start-up developing novel bio polymeric materials. LINDAL will be a lead investor, accompanied by the European Innovation Council (EIC), in funding the future growth of the company. In doing so, LINDAL will take an active role in the partnership to reinforce its sustainability agenda and contribute more holistically to material waste and CO<sub>2</sub> reduction globally.



### Global Footprint

LINDAL Group continues to invest and grow its manufacturing footprint and sales office network so it can offer its customers exceptional service and supply.

Originally based in Germany, the LINDAL Group has expanded its presence across Europe and Asia with manufacturing sites and sales offices in France, UK, Italy, Belgium, Spain, Switzerland, Ireland, Turkey and most recently, China.

In the Americas, LINDAL's presence covers all key markets from operations in Argentina, Brazil, Mexico to a state-of-the-art facility in North America.



### LINDAL Group as 'one-stop shop'

LINDAL Group is a fully integrated product development service provider offering customers an extensive range of product design, development, engineering, manufacturing and supply services. Our extensive capabilities mean we can support customers from the ideation and concept creation stage through to the full innovation, development and industrialisation cycle into high volume manufacturer and supply.

LINDAL Group's commitment to new product innovation is reinforced by its ongoing investments in its Global Innovation Centre (GIC) in France and its manufacturing technology company, Leonhard Fischer GmbH in Germany. Through our innovation services, we help our customers differentiate their products and gain competitive advantage through rapid new product introduction processes.

**LINDAL Group Holding GmbH**  
**Brandstwierte 1, Neuer Dovenhof**  
**20457 Hamburg, Germany**  
**Tel: +49 (0)40 200075-100**  
**email: [marketing@lindalgroup.com](mailto:marketing@lindalgroup.com)**

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# Majesty Packaging Systems Limited

Established in 1988, located in Zhongshan city, Guangdong, China, Majesty is one of the biggest manufacturer of aerosol technology and dispensing solutions in the world, covering an area of 100,000 sqm with large production capacity at 6 billion sets of aerosol valves, 2 billion sets of dispensing pumps and 1 billion sets of spray caps annually.

- Global expansion: Thailand factory, Brazil factory, European factory
- 600 injection molding machines including Sumitomo, Milacron, Engel, Zhafir
- G.M.P workshop for pharmaceutical packaging production
- 2,000 sqm lab with advanced testing instruments
- In-house professional mold design and making workshop
- Certified with ISO9001, ISO14001, ISO45001, BRC, SMETA, C-TPAT



## Our Products

Majesty offers the most range of standard Aerosol valves, Spray actuators, Lotion pumps, Trigger, Foamy pump, Mist sprayer for personal care, home care, pharmaceutical, food, industry products.

## Now Available for All Plastic:



Foamy Pump



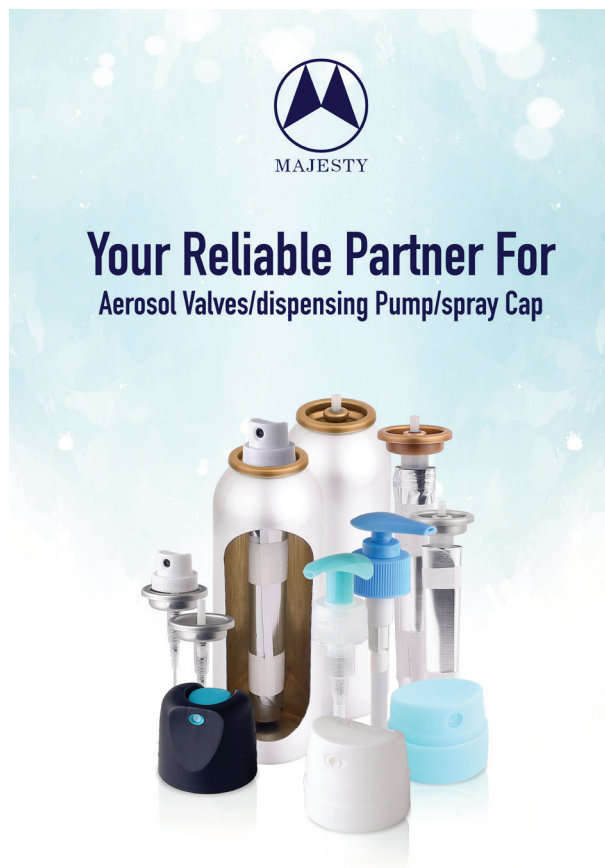
Trigger



Lotion pump



Scan for more information



Majesty Packaging Systems Limited  
No.21 Health road, Torch Development District  
Zhongshan, Guangdong, PR China  
[www.majestyglobal.com](http://www.majestyglobal.com)  
Tel: +86 760 8531 0888 /+86 760 2389 8533  
Fax: +86 760 8559 8660  
Email: [gm@majestyvalve.com](mailto:gm@majestyvalve.com)

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# McKernan Packaging Clearing House

For more than 60 years, McKernan Packaging Clearing House continues to offer the industry's highest quality packaging at a discounted rate along with the lowest minimums. McKernan began by buying and selling surplus packaging, growing their Best Value line. Eventually, a complete line of Wholesale Packaging was added. This ever-growing wholesale line includes over 1,200 line items with over 100 million packaging units in the warehouse...all ready to ship!

**McKernan®**  
PACKAGING CLEARING HOUSE

## Major Products

McKernan carries packaging components including aerosol cans, bottles, caps, trigger sprayers, foamers, sprayers, pumps, actuators, valves and much more. Whether you are looking for sophisticated and polished, bold and fun, or even simple designs, McKernan has something for almost everyone with unlimited opportunities to produce a truly unique package design. Get started today! Search our extensive online inventory at [McKernan.com](http://McKernan.com) where you can order a sample, and most samples are free of charge. For details, call 1-800-787-7587 or 775-356-6111 or email [Sales@McKernan.com](mailto:Sales@McKernan.com)



## Best Value

McKernan's Best Value line contains top quality, unbranded packaging components that are offered at a discounted price. The majority of products in this line offer significantly reduced prices. The Best Value line has shipments arriving each day so there is always something new to find. This packaging is in stock and generally ships within 48 hours. However, you may need to move fast as these deals sell out quickly.

## Surplus Specialists

### "We Buy Surplus!"

McKernan also helps businesses repurpose their excess/surplus inventory by purchasing unused and unbranded components, such as bottles, jars, closures and more. McKernan coined the phrase "pre-cycling" because the program allows companies to recapture some of their initial investment and keeps excess inventory out of the landfills. McKernan is an environmentally responsible and smart solution to scrapping or traditional recycling. When you need to clear inventory in a short amount of time, call McKernan. For more information on this program, visit [WeBuyPackaging.com](http://WeBuyPackaging.com) or email [Surplus@McKernan.com](mailto:Surplus@McKernan.com).



## The McKernan Experience

Whether you are buying or selling packaging, when you call McKernan Packaging Clearing House, you will speak with a real person. Call 1-800-787-7587 or 775-356-6111 and the friendly staff at the front desk will connect you with a knowledgeable sales representative or surplus specialist for further assistance.



**McKernan**  
P.O. Box 7281  
Reno, NV 89510  
Tel: 775-356-6111, 800-787-7587  
Fax: 775-356-2181  
Web: [www.McKernan.com](http://www.McKernan.com)

# Montebello

Montebello Packaging is an international company serving clients worldwide. As a leading North American supplier to the pharmaceutical, cosmetic, personal care, food, beverage, industrial, automotive, and household packaging manufacturers, Montebello prioritizes customer needs and adapts to changing trends. Headquartered in Hawkesbury, Ontario with four state-of-the-art production facilities in Canada and the United States, Montebello offers packaging solutions to meet customer brand identity with functional and attractive packaging options. Montebello's Graphic Prepress Group and package decorating capabilities help our customers enhance their brand presence, and the Montebello Engineering Group coordinates engineering projects, new product development and new automation technology to support manufacturing operations. Montebello's Customer Service and Quality Assurance personnel are dedicated to meet the high-quality standards and service level our customers expect from a world-class manufacturer.



### Small Diameter Aerosol Can Manufacturing Facilities

- Harrisonburg, VA: This 187,000 sq. ft. facility manufactures of Montebello's 35mm and 38mm diameter aluminum aerosol cans.
- Hawkesbury, ON: This 100,000 sq. ft. facility manufactures aluminum small diameter aerosol cans, and houses Montebello's Administration, Customer Service, Graphics and Corporate Quality Assurance Department.

### Products and Services Offered

- Small Diameter Aluminum Aerosol Cans
- Collapsible Aluminum Tubes
- Laminate Tubes
- Graphic Artwork, Prepress, Digital Platemaking, 3D Package Modeling, and Graphic Design

### Key Personnel

- Jean Francois Leclerc - President
- Steven Macphail - Vice President of Sales & Marketing  
smacphail@montebellopkg.com
- Stephen Tweed - Global Tech Support Sales Manager



**Montebello Packaging**  
1036 Aberdeen Street  
Hawkesbury, Ontario K6A 1K5  
sales@montebellopkg.com



## Nussbaum

N U S S B A U M ● We Can

The Swiss based Nussbaum Group is a leading manufacturer of sustainable aluminium packaging for 60 years. In its three plants in Switzerland and Germany, Nussbaum offers a wide range of attractive products and a large variety of formats, shapes and linings.

### Advantages of aluminium packaging:

- 100% recyclable
- resistant, solid & unbreakable
- stainless
- diffusion proof
- light proof
- good conductivity
- availability nearly unlimited
- 3 x lighter than steel
- 4 x lighter than glass
- shapeable

### Products and specifications offered

#### Cans - 15 formats Ø 22 – 66 mm

- Aluminium Aerosol Cans, 17ml – 650ml (Brimful volume)
- Aluminium Can-in-Can, 32ml – 290ml (Pouch volume)
- Aluminium Screw Cans, 15ml – 550ml (Fill volume)

### Innovations

- **PCR-Aluminium and aluminium alloys**  
Nussbaum containers are available made from 100% post-consumer-recycled aluminium, saving 96% of CO<sub>2</sub>. The aluminium utilised for our Nucan-PCR cans is 100% used beverage can scrap – no primary or PIR aluminium is added. Furthermore, we manufacture lightweight cans made from aluminium alloy, meeting the environmental and cost-saving expectations.
- **Refill Screw Cans**  
Refill instead of disposing – Nussbaum's Screw Cans are the perfect durable packaging for liquid personal care products. Consumers may simply refill and continuously use the same can, reducing waste and improving carbon footprint.
- **Deo Roll Cans**  
Aluminium Deo Roll Cans offered as sustainable alternative to common plastic or glass deodorants. Nussbaum's Roll Cans contain 50% more product than a glass container in the same format being however 75% lighter. This deodorant is unbreakable and fully recyclable.

### Services offered

- Wide selection of linings (e.g. BPA N.I., PAM and PAM alternatives)
- In-house prepress department
- R&D including tooling supply
- Certified in ISO 9001, ISO 15378 (primary packaging for medicinal products) and ISO 14021 (Environmental labelling certification for Nucan-PCR)
- US Drug Master File
- US DOT registration

### Industries served

- Personal Care
- Pharmaceutical
- Food
- Industrial
- Home Care

**NUSSBAUM MATZINGEN AG (HQ)**

Frauenfelderstrasse 67

CH-9548 Matzingen

0041 52 3693911

[www.nucan.com](http://www.nucan.com)

[nucan@nucan.com](mailto:nucan@nucan.com)



# Packaging Concepts

Packaging Concepts Associates offers complete packing solutions, with a focus on child resistant packaging. Established in 1975, PCA develops unique proprietary patented packages for dispensing a wide range of products that have innovative designs and are perfectly customized to the requirement of our customers. All products are suitable for topical, oral, drug packaging, food-related, and other applications. Today PCA is the world leader in child-resistant fine mist, aerosol, and lotion dispensing solutions.



### Location

Torrington, CT

### Products

- Mpak (fine mist sprayer)
- Snap-on (fine mist sprayer)
- Tilt top (lotion dispensing)
- Aerosol
- CR (child resistant) and Non-CR
- Metered Dosage
- FDA food contact compliant
- Extender Nozzle
- Variety of bottle shapes and sizes



### Services Provided

Packaging Concepts Associates is an Intellectual Properties and Solutions Company.

- Custom Packaging
- Design Validation
- Artwork and Design
- Working Prototypes
- 3D CAD Design – Solid Works
- 3D printed/Stereolithography Models
- Renderings

### Key Personnel

- David Meshberg (President & CEO)
- Daniel Araujo (Vice President & GM)
- Jason Ransom (Operations Manager)
- Crystal Kiehl (Quality Manager)

### Technologies

- Child Resistant Technology
- Bottle Neck Finish

### Markets Served

- Over The Counter (OTC)
- Consumer Healthcare
- Personal Care & Cosmetics
- Household Products
- Aerosol Sprays
- Liquids, Creams & Gels



**Packaging Concepts Associates**  
**301 Ella Grasso Avenue**  
**Torrington, CT, 06790**  
**860.489.5656**  
**packagingconcepts.com**

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# Pamasol Willi Mäder AG

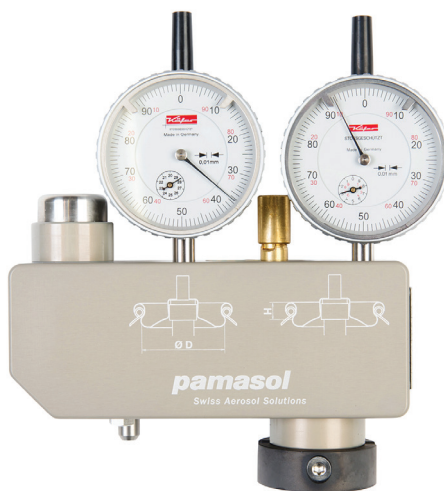
**pamasol**  
Swiss Aerosol Solutions

Pamasol is one of the leading companies developing, producing and distributing aerosol machines. For over 55 years we have developed and produced everything ourselves in our high-quality facilities in Pfäffikon Switzerland. We offer a wide range of systems from laboratory to high speed rotary machines up to 600 cans per minute.

From installation, start-up, training to technical service support in the field, you can count on us. The Pamasol brand name stands for innovation, technical leadership and reliability as well as for custom made machines for customer needs, perfectly engineered and constructed for a long-lasting production.

We are providing aerosol solutions not only for 1" aerosol valves and containers, but Pamasol is also the leading company for BOV-systems (Bag-on-Valve) for salt water, cosmetics etc., for pMDI-machines (Pressurized Metric Dose Inhalers), high speed color filling machines, mass-flow fillers for dedicated products, special capping machines with cap orientation system and much more.

As a provider of Swiss Aerosol Solutions, Pamasol is the brand for working together to solve all your filling problems, no matter how challenging they are.



See our ad on page 75

**Pamasol Willi Mäder AG**  
8808 Pfäffikon SZ-Switzerland  
Ph: +41 55 417 40 40  
[pamasol.com](http://pamasol.com)  
[info@pamasol.com](mailto:info@pamasol.com)





# Pharmasol

Pharmasol is an integrated Contract Development and Manufacturing Organization (CDMO) offering a complete range of services. Pharmasol has an unmatched combination of knowledge, experience, and capabilities in the highly-specialized field of pharmaceutical development and manufacturing of aerosols. We offer full service production of aerosols, liquids, creams, gels and lotions for the OTC, Rx, Medical Device, and Personal Care categories. We will work with you through every step of the process from formulation and clinical supplies, through scale-up and commercial manufacturing. Our highly trained and experienced staff welcomes large and small projects.



The Pharmasol team is experienced in all areas of manufacturing & development, including logistics, procurement, analytics, quality assurance, regulatory, R&D, packaging, and project management.

### Markets Served

- Rx Pharmaceutical
- OTC
- Medical Devices
- Personal Care /Cosmetic

### Research and Development Services

- Formulation Development
- Analytical Development/Validation
- Analytical Method Transfer
- Product Stability
- Technology Transfer
- Pilot Run/Clinical Trial Materials/Scale Up

### cGMP Manufacturing and Packaging Services

- ISO-8 Clean-Room Manufacturing Areas
- Pilot Run / Clinical Trial / Scale Up
- Process Validation
- Commercialization
- Foams
- Aerosols (conventional, metered valve, steel or aluminum, 1-inch, 20mm)
- Alcohol and water based filling
- Liquids, Creams, Gels, Ointments
- Bottles
- Jars
- Tubes
- Flexible and Versatile Secondary Packaging

Every new project goes through a detailed project management and development process with carefully managed milestones and deadlines. Our clients have direct access to project team members who are professional and very responsive to customer needs.

Our experience has taught us that no two customers are the same. Our services can be as broad or as limited as your business needs dictate; from filling and packaging to “turnkey” product development, manufacturing and national product launches.

**Pharmasol Corporation**  
**One Norfolk Avenue**  
**South Easton, MA 02375**  
**508-238-8542**  
**HKatzen@Pharmasol.com**  
**www.pharmasol.com**



## PLZ Corp

As the North American leader in specialty aerosol and liquid product manufacturing, PLZ Corp develops, produces, packages and distributes a comprehensive line of contract fill, branded and private-label products. We formulate, blend, fill and package thousands of products including cleaners and polishes, industrial solvents, lubricants and degreasers, adhesives, sanitary supplies, disinfectants, insecticides, air fresheners and personal care products for home and industrial use.

### Locations

USA (IL, MO, CA, WI, IN, MA) Canada (Ontario)

### Technical Capabilities

Our technical capabilities are bolstered by a breadth and depth of experience. Teams of skilled regulatory specialists make certain your products meet all the standards which current regulations, and consumers, demand. Our enterprise-wide utilization of SAP allows manufacturing data to be accessible across all locations. We have the flexibility to produce goods between any of PLZ Corp's 16 manufacturing locations across North America.

### Research & Product Development

We offer complete product development from formula creation to performance and stability testing, for custom or off-the-shelf goods. PLZ Corp's team of chemists have developed hundreds of proprietary formulas and thousands of unique SKUs.

### Branding and Packaging

PLZ Corp offers strategic, creative package design for branded or private label products, as well as effective product line development and in-store programs such as merchandising displays and signage. Our expertise and logistical range ensure that all sizes, shapes, and materials can be adapted to meet your brand's needs.

### Key Personnel

- John Ferring, Chairman
- Brett Finley, Chief Executive Officer
- Steve Dickstein, President, Personal Care
- Kathy Elkey, Chief Commercial Officer
- Don Jacklich, Chief Sales Officer
- Nadim Kilzi, Chief Supply Chain Officer
- Kevin Rule, Chief Financial Officer
- Jessica Nolan, General Counsel

### Markets Served

- Automotive
- Household
- Personal Care
- Industrial
- Food Service

**PLZ Corp**  
**2651 Warrenville, Rd., Ste. 300**  
**Downers Grove, IL 60515**  
**[www.plzcorp.com](http://www.plzcorp.com)**



# PRECISION



### YOUR SAFETY

You must feel safe with the products you use. Plus, you deserve to work with the Modern Aerosol Industry Founder and World Leader in Aerosol valves.

Indeed, PRECISION VALVE CORPORATION (PRECISION) is the inventor of the first mass produced aerosol valve in 1949. Since then, we have become the global leader in aerosol valves and a leading player in actuators and dispensing solutions.

**You are on the safe side.**



### YOUR SERENITY

Whether you are a national brand, a contract filler or a multinational group, you can rely on a PRECISION local team and a regional or global supply. Today, PRECISION operates a multinational network of 17 facilities spanning 15 countries on 6 continents in Argentina, Australia, Brazil, China, France, Germany, Italy, Japan, Mexico, South Africa, Spain, Thailand, United Kingdom, USA and Venezuela.

PRECISION can rightly claim to be your only truly local partner of aerosol valves and actuators with a global presence

**Your local partner, globally.**



### YOUR SOLUTIONS

Are you facing a new challenge? Searching for new solutions? PRECISION serves a variety of end markets, including personal care, household, food and beverage, industrial, automotive and pharmaceutical with an ever-growing product portfolio featuring valves, actuators, pumps, and other dispensing solutions. PRECISION's valve range consists of a comprehensive range of 1" male valves, tilt valves, powder, 360-degree valves, capillary valves, metered valves and Bag-On-Valves. In addition, PRECISION's actuator portfolio offers everything from standard buttons to innovative twist-lock actuators. PRECISION's broad choice of pumps includes trigger sprayers, lotion pumps, foamers, crimp, 20mm, and specialized pumps.

PRECISION provides a multi-skilled team of experts to support your aerosol and dispensing needs.

**It all starts with YOU.**



Precision North America  
5711 Old Buncombe Road  
Greenville, SC, 29609, USA  
Phone: 1-866-686-8464  
sales.pvna@precisionglobal.com  
www.precisionglobal.com



# Shenzhen Huate Packing Co., LTD.

Shenzhen Huate Packing Co., LTD., founded in 1985, is one of the earliest and largest integrated tinplate can manufacturers and service enterprises in China. The main products are printing tin plate cans, aerosol cans, milk powder cans, industrial cans, special-shaped cans, gift candy cans and accessories, etc., all kinds of cans variety in complete specifications. The market covers the whole country and is exported to more than 30 countries and regions over the five continents. Shenzhen Huate Packing Co., LTD. is regarded as a reliable long-term partner of many large international multinational corporations.



## Capacity

Huate has more than 100,000 square meters of modern production base in Shenzhen, Shanghai, Tianjin, Dongguan, and Chengdu, strong force research, development and technology. Huate has the world's most advanced equipment introduced from Britain, Germany, Italy, Switzerland, Japan, South Korea and other countries and regions.

- 10 printing and coating lines, annual printing capacity of more than 100,000 tons
- 18 high-speed aerosol can production lines, annual production capacity of more than 1 billion
- 3 milk powder can production lines, annual production capacity of more than 120 million
- 20 production lines for industrial cans, with an annual production capacity of more than 200 million
- 16 gift candy cans production lines, annual production capacity of more than 30 million



Shenzhen Huate Packing Co., LTD.  
130# Chongqing Road, Fuyong Town, Shenzhen, PR China  
[www.sz-huate.com](http://www.sz-huate.com)  
Tel: +86-755-61156111/+86-755-61156141  
Email: [sales@sz-huate.com](mailto:sales@sz-huate.com)

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## Sonoco

Founded in 1899, Sonoco is a global provider of consumer, industrial, healthcare and protective packaging. With net sales of approximately \$5.6 billion in 2021, the Company has 20,500 employees working in approximately 300 operations in 32 countries, serving some of the world's best-known brands in some 85 nations. Sonoco is committed to creating sustainable products, services and programs for our customers, employees and communities that support our corporate purpose of Better Packaging. Better Life. The Company ranked first in the Packaging sector on Fortune's *World's Most Admired Companies* for 2022 as well as being included in Barron's *100 Most Sustainable Companies* for the fourth consecutive year. For more information, visit [www.sonoco.com](http://www.sonoco.com).



### Locations

32 countries across the globe

### Products

- Metal Packaging
- Tinsplate Aerosol Cans
- Ends & Closures
- Flexible Packaging
- Rigid Paper Containers
- Rigid Plastic Packaging
- Blister Packaging
- Tubes & Cores
- Reels & Spools
- Plastic Plugs & Endwalls
- Adhesives & Coatings
- Wood Core Plugs
- Machinery
- Uncoated Recycled Paperboard
- Temperature Assurance
- Foam Packaging
- Fast Packs
- Protection for Paper Rolls
- Returnable Dunnage
- Molded Foam Components
- Corner Posts
- Medical Packaging Solutions
- Medical Packaging Equipment
- Temperature Assurance Packaging



### Services

- Graphics and Printing Management
- Market Research & Packaging Design
- Recycling Services

### Key Personnel

- Howard Coker, President and CEO
- Rodger Fuller, Chief Operating Officer
- Ernest Haynes, President of Sonoco Metal Packaging
- John Florence, Jr., General Counsel and Secretary
- Rob Dillard, Chief Financial Officer
- Lisa Weeks, VP, Investor Relations and Corporate Affairs

### Markets Served

- Food & Powdered Beverages
- Beauty & Personal Care
- Household
- Textiles
- Healthcare
- Constructions
- Electronics & Appliances
- Automotive



### Sonoco

1 North 2nd St.  
Hartsville, South Carolina 29550  
1-800-377-2692  
[sonoco.com](http://sonoco.com)



# Stolle Machinery

Stolle provides solutions for the high-volume production of metal efficient 2-piece D&I aerosol cans, from a single machine to a complete plant or production line. As the world's leading supplier of canmaking machinery, Stolle has unprecedented experience in providing canmakers with the machines they rely on to produce cans with maximum speed, efficiency and profitability.

### Locations

Headquartered in Denver, Colorado, Stolle has manufacturing and service centers strategically located around the world to serve canmakers, including in the USA (8 facilities), Europe (4 locations), Brazil (2 locations), China (2 locations), Vietnam, India, and Jordan.

### New Products

Stolle invests significantly in developing new and improved machinery that benefit canmakers and consumers. Recent developments include a new design D&I bodymaker, a modular die necker machine, and continuing innovations in can decorating technology. Stolle also offers special versions of bodymakers specially designed to produce tall, thinwall D&I aerosol cans. Stolle Global Systems designed and built the world's first high speed D&I aerosol can line for a major U.S. manufacturer – a video of this project can be seen at [www.stollemachinery.com/videos/Speedcan.html](http://www.stollemachinery.com/videos/Speedcan.html).

### Services Provided

A complete line of machinery for the high speed production of 2-piece cans and ends, design and construction of complete can and end plants and production lines, machine rebuilding, OEM spare parts, rapid-response field service.

### Key Personnel

- Gus Reall – CEO
- Ian Scholey – CTO
- Mike Raderchak – Executive VP - Global Solutions
- Chris McAlpine – Senior VP - Global Systems

### Markets Served

High volume manufacturers of 2-piece beer-beverage, food and aerosol cans.

**Stolle Machinery**  
6949 S. Potomac Street  
Centennial, CO  
303-708-9044  
[stollemachinery.com](http://stollemachinery.com)



## STOLLE MACHINERY





# Summit Packaging

Summit Packaging Systems recently celebrated its 49<sup>th</sup> year of supplying valve systems to the aerosol packaging industry. Its commitment to fully integrated manufacturing facilities continues to position Summit as the best worldwide source for aerosol valves with the highest quality, best service, and lowest pricing.

### Featured Products

#### Nouveau Actuator

One piece designs, to include both foam and gel product formats.

- Two piece non-MBU, for AP sprays, or other tight spray pattern products.
- Two piece MBU to provide any pattern and particle size spray that may be desired.

#### Bodysurf

Summit's most recent Twist & Lock actuator, the Bodysurf, brings incredible value at a competitive price! The sleek design, combined with superior grip, makes operation effortless. With both tactile and audible cues, the operating position is never in doubt. Designed for manufacture, this actuator works flawlessly over a wide range of stem to curl dimensions, allowing for broader manufacturing specifications and reducing scrap. This market tested actuator is a proven winner!

#### Bag-On-Valve

Summit BOV's are available in every stem diameter and shank length available to ensure proper fitment and function with both standard or custom actuators and spray-through-caps. It also has the variety of mounting cup options required for any BOV products: Tinplate laminate; tinplate, tin free steel and aluminum with lathe cut gaskets; and all the available protective coatings such as epoxy, PET, microflex, etc. The company also offers several different multilayer laminate bag constructions with either a polyethylene or polypropylene inner sealant layer to ensure package and product stability and functionality.

In addition, Summit provides the full range of R&D services, laboratory sample product filling capabilities, as well as short and long term stability and performance testing required to bring your BOV product from concept to market.

Put Summit Packaging's expanding BOV technology, highly competitive pricing, and short lead times to work for you!

### Key Personnel

- John W. Lynch – Sales Manager – ext. 150
- Scott Gilroy – Vice President – ext. 138
- Kevin Verville – Technical Service Manager – ext. 157

**Summit Packaging Systems**  
400 Gay Street  
Manchester, NH 03108-5304  
603-669-5410

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#### Nouveau



*One Piece Foam*



*One Piece Gel*



*Two Piece:  
MBU or Non-MBU*



#### Bodysurf



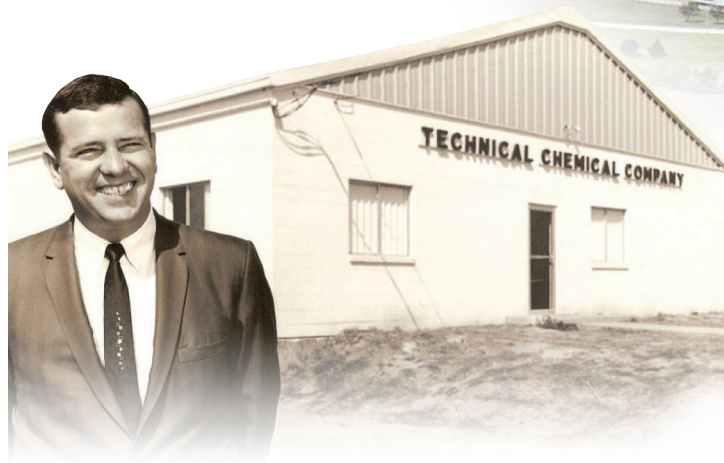
*BOV*

# Technical Chemical Company

TCC stands as a leader in aerosol manufacturing with a rich history of delivering exceptional products and customer satisfaction. As a privately owned company since 1961, TCC operates with agility, enabling them to foster strong partnerships founded on trust, transparency and reliability without corporate constraints. Through a customer-centric approach, TCC has earned a strong global reputation among customers. With TCC as a partner, customers can expect tailored solutions, reliable support, and unwavering dedication to their success. TCC's manufacturing facility spans approximately 900,000 square feet, with a dedicated area of 300,000 square feet for production.



- 9 aerosol lines — traditional & bag-on-valve
- 300,000-gallon tank farm
- Direct rail access up to 16 rail cars
- Technical Service and Regulatory support
- On-site lab testing



### Markets Served

- Automotive
- Household
- Industrial
- Refrigerant
- Air duster
- Glass cleaners

### Services Provided

- Turnkey solutions
- Contract packaging
- Quality control
- Customer service
- Marketing

### Contact

Dan Luna, Sr. VP of Sales & Marketing  
[dluna@technicalchemical.com](mailto:dluna@technicalchemical.com)

**Technical Chemical Company**  
3327 Pipeline Road  
Cleburne, TX 76033  
P: 817-645-6088  
[www.technicalchemical.com](http://www.technicalchemical.com)

# Terco

Terco, Inc. is one of the leading manufacturers of aerosol filling equipment. Since 1965 and with our years of experience in over 50 countries, we have developed filling systems from 5 to 450+ cans per minute. Our system for success includes a modular design configuration and regional technical support around the world (including both sales and spare part support).

In addition to the basic filling machinery, our product line includes a full range of equipment for aerosol production including container handling, conveying systems, waterbath systems, tip placing, cap placing, puck handling, and more. From a simple laboratory set-up to a completely integrated filling line our dedicated staff has the knowledge necessary to give your filling operations the most flexible filling system available.

With the popularity of pressurized barrier systems (including piston cans and bag-valves), we offer a full range of filling solutions to meet your product needs. Systems for dairy and pharmaceutical aerosols are also offered.

### Key Personnel

- Dan Ahrens - President
- Bernie Brokke - Vice President, Sales

### Services Provided

Filling systems for conventional aerosol, barrier systems, container handling, actuator/cap placement, puck handling and assembly machine.

### New Products

Completely automated PLC aerosol filling machine with capabilities of automated product and propellant volumes, can diameter, can height, and indexing speed changeovers.

**TERCO**™  
*...for the competitive edge*



Terco, Inc.  
459 Camden Drive  
Bloomington, IL 60108  
Phone: 630-894-8828  
sales@terco.com  
www.terco.com

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## Tri-Pac, Inc.

### Customer Focused, Quality Driven

Tri-Pac, Inc. is a turn-key Contract Development and Manufacturing (CDMO) partner for aerosols, foams, liquids, creams and gels specializing in Consumer Healthcare, Personal Care, Cosmetics, Topical OTC & Medical Devices. Headquartered in South Bend, IN, Tri-Pac is located across 3 facilities with 140,000 sq. ft. including a 60,000 sq. ft GMP manufacturing and 65,000 sq. ft Warehouse. Tri-Pac houses intrinsically safe cleanroom suites for aerosol & foam filling, tube filling and compounding.

We connect our unique competencies in manufacturing, sourcing, engineering, research and development and regulatory to create products that raise quality standards, lower costs and reduce environmental impact.



### Facility, Technology and Services

#### Facility

- cGMP, FDA, ITAR, EPA, ITAR, Organic & Kosher Facility
- UL OTC & Health Canada GMP, ISO 13485, ISO 22716, ISO 9001/ 14001
- Cleanrooms ISO 7/8, Intrinsically Safe
- Ultra-Purified Water System with Ozone Sanitization
- OSHA, EPA, IDEM, NFPA, NEC facility compliance
- **NEW Technology & Innovation Center**
- **UPGRADED Analytical & Technology Transfer Lab**
- **UPGRADED Rapid Microbial & Stability Chamber Room**



Tri-Pac PBR1 – Compounding Suite 1

#### Services & Technology

- Turnkey Innovation & Development including ICH Shelf Life Studies
- Method Development, Validation & Verification
- Aerosol & Foam filling (ISO 7/8) – Spray, Foam, BOV, Micro Dosing, Cleanroom Gashouse
- Liquid Filling – Liquids, Gels, Creams, Lotions, Wipes, Foams
- Tube Filling (ISO 8) – Gels, Liquids, Creams, Lotions, Pastes
- Blending & Compounding (ISO 8) – Pilot scale, Turbine, Homogenizer, Side sweep, Heating/ Cooling, Powder addition, Intrinsically safe
- Kitting, Secondary Packaging, Shrink Sleeving and Shrink Banding
- SAP ERP, SAP PPS, SAP WMS
- GMP Warehouse (3600 bin locations)

#### Markets Served

- Consumer Healthcare
- Medical Devices
- Over The Counter (OTC)
- Personal Care & Cosmetics
- Aerosol Sprays & Foams
- Liquids, Creams & Gels
- Certified Organic



Tri-Pac UPW RO-EDI USP Water System



Tri-Pac Line 7 – Foam & Spray Aerosol Filling



Tri-Pac Line 8 – Tube Filling Line

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