Sprays for Kids

Also...
- German Fillings
- Personal Care Ingredients
- European Steel Recycling

Buyers Guide & Corporate Profiles page 28
ABC Compounding

ABC Compounding is a 70-year-old privately held manufacturing company based in Atlanta, Georgia, operating its aerosol manufacturing facility in metro Dallas, Texas since 1991. We manufacture distributor owned brands using customer supplied concentrate, customer supplied formulas, or our formulas. We also manufacture our own national brand, AERO. We have over 200 stock aerosol formulas in production and many other formulas and configurations available in our formulary. Common products produced include:

- Glass Cleaners
- Adhesives
- Brake Cleaner
- All Purpose Cleaners & Degreasers
- Oven Cleaners
- Stainless Steel Cleaners
- Furniture & Stainless-Steel Polishes
- Disinfectants
- Automotive Detailing
- Weed Killers and Insecticides
- Air Fresheners
- Skin Care

Locations
Grand Prairie, Texas

New Products
- M-80 Heavy Duty Aerosol Industrial Hand Cleaner
- Surface Disinfectant with 3-minute kill claim

Services Provided
ABC's technical and regulatory staff of chemists have many years of experience in innovative product development, quality improvement and VOC compliance. ABC also has a graphics department with in-house printing to ensure the highest quality production of your brand.

Key Personnel
- Ian Englefield – Vice President Aerosol Sales
- Brad Walker – Executive Vice President
- Myra Hager – Vice President and CFO

Markets Served
All industries use aerosols. ABC Compounding is equipped to serve janitorial/sanitation, industrial, food service, paints and coatings, manufacturing, construction, remediation, aviation, automotive, agriculture, service industry, HVAC, printing, laundry, municipal, medical, pest control, oilfield, and other specialty industries.

See our ad on page 73

ABC Compounding of Texas
1102 Ave J. East
Grand Prairie, TX 75050
1-800-968-9222
sales2@abccompounding.com
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, CO2, 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.

Looking Forward

In 2019, Aerofil will invest $20 million back into the facility. The biggest piece of that investment coming with the installation of their newest high-speed, fully-automated aerosol filling line. The state-of-the-art packaging line was designed specifically for personal care products and features full automation at speeds in excess of 200 cans per minute. In addition to Aerosol Line 8, Aerofil will install 2 robotic palletizers to handle 4 aerosol production lines, 6 new blending tanks, a new roof, and additional automated liquid filling equipment. Our commitment to invest in automation and manufacturing excellence has never been greater.

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

- Ed Freesmeier, Vice President of Sales & Marketing – efreesmeier@aerofil.com
- Ryan Montgomery, Director of Sales & Marketing – rmontgomery@aerofil.com
- Jan Coffman, Sales Manager – jcoffman@aerofil.com
Ashland

Ashland is a premier global specialty chemicals company serving customers in a wide range of consumer and industrial markets. We are passionate, tenacious solvers who thrive on developing practical, innovative and elegant solutions to complex problems for customers in more than 100 countries.

Through formulation expertise, measurement and consumer science, Ashland brings differentiated and specialized ingredients to meet the needs of the personal care market including plant-based biofunctional actives that advance the efficacy of anti-aging and skin health; rheology modifiers that create functional and alluring textures; multifunctional ingredients with substantiated benefits that can transform the usability of formulations, and more.

**Locations**
- North America Bridgewater, NJ USA
  Tel: +1 800 505 8984
- Europe Switzerland Tel: +41 52 560 55 00
- India Mumbai Tel: 91 22 61484646
- Asia Pacific Singapore Tel: +65 6775 5366
- Middle East, Africa Istanbul, Turkey Tel: +00 90 216 538 08 00
- Latin America Brazil Tel: +5511 3649 0455
- China Shanghai Tel: +008621-60906606

**New Technologies**
- advantage™ revive polymer
- antaron™ sensory
- aquacat™ guar
- captivates™ A encapsulates
- cb2-skin™ biofunctional
- crème by you formulations
- n-hance™ polymer
- puraloe™ aloe vera
- prolipid™ 141 lamellar gel
- procatline™ g2 biofunctional
- rosaliss™ biofunctional
- styleze™ es-1 polymer
- suprastim™ biofunctional
- vital et™ biofunctional

**Key Personnel**
- Linda Foltis, Vice President, Hair and Home Care
- Joseph Torella, Vice President, Skin Care & Business Intelligence
- Joel Mantelin, VP Business Development Biofunctionals

**Markets Served**
- Personal Care: Bath & Shower, Color Cosmetics, Hair Care, Hair Styling, Skin Care, Sun Care, Oral Care, Personal Care
- Home Care: Fabric Care, Surface Care, Dish Care

Ashland
500 Hercules Road
Wilmington, DE 19808
ashland.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 500MM+ units at 200 units-per-minute. Computerized multi-color in-line printing, color control, wall ironing 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, 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
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. 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, CO2, 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. 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. ColorSpray® Ultimate Decorating Enamel is Chase’s patented line of interior/exterior accent colors, which were formulated to protect the dry paint film from mold and mildew.

Markets Served
All markets, excluding FDA OTC products

Key Personnel
- Judith Albazi, President/CEO
- Ernesto “Ting” Hidalgo, Executive Vice President/COO
- Anthony Albazi, Corporate Sales Director
- Kevin Brandush, National Sales Manager, Professional Products Division

Chase Products Co.
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 consumer and industrial 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
Mark Robin – Sr. Technical Services Consultant - mark.l.robin@chemours.com
Al Thornton - Business and Market Manager, Propellants from Chemours - 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
Consumer and Industrial applications.
Condensa

Aluminum packaging manufacturer focused on small to big-size companies. More than 40 years of experience in the aerosol and aluminum packaging industry.

Specialized in the Cosmetic & Personal Care industries and pharmaceutical, currently supplying the leading brands and the main contract fillers in the US and Latin America.

- F.E.A. Regulations (European Federation of Aerosol)
- M DOT Registered

Key Contacts
- Tim Marcely – Sales Director (tim.marcely@condensa.cl)
- Matias Levit – General Manager (matias.levit@condensa.cl)
- Lorena Diaz – CRM USA (lorena.diaz@condensa.cl)

New Products/Technologies/Patents
- Reaching to a broader type of clients, supporting their needs for traditional aerosol, 20mm openings and Screw Top Bottles, using their own decorations.
- Enhancing the market of the Comfort-Hold shapes.

Industries
- Personal Care & Cosmetics
- OTC, Pharma, Household and Industrial
- Exporting to Major Markets USA, Brazil, Colombia, Argentina, Ecuador, Peru, Uruguay, Guatemala, El Salvador and supplying our local market, Chile.

Major Products: Aluminum Packaging
- Aerosols: A wide range of diameters, heights and shapes.
- Diameters: 25, 35, 38, 45 and 53.
- From 88mm to 235mm height.
- Round or Flat Shoulder, Grooved, special shapes available.
- 20mm Opening bottles and Screw Top Aluminum bottles.
- Talc Containers and Double or Single Cases.

Specialized Services
Condensa will assist your company from the very beginning of each project, by an experienced Sales Team, reviewing the design with the pre-press department, artwork approval, color approval, delivery alternatives and following up until your product gets delivered where requested.

The main objective for us is to accompany you along the process and meet your expectations.

Sales: Presidente Errazuriz #2999, office 502, Santiago, Chile.7559357
Phone: (+56-2) 2519 5700
Manufacturing Plant: Av. Argentina 2698 Arica, Chile 102-0032
Phone: (+56-58) 2207 600
info@condensa.cl
www.condensa.com

See our ad on page 16
COS.MA.R Srl

COS.MA.R. Srl is an Italian company specializing in Aerosol lines since 1982. Its founder, Sergio Elsi, was an expert aerosol machine engineer since 1966. Today, the company is managed by Sergio’s son Paolo Elsi, chief engineer Daniele Veronese, together with new commercial and technical experienced team. Thanks to collaboration with its partners, the company has grown through offering customers “full line service” (gas plants, automatic storage, mixing rooms and packaging). Cosmar is highly specialized in Bag-On-Valve filling as well as high speed traditional aerosol filling, with the unique bonus of a full electronic system, according to ATEX regimentations and GMP rules.

Locations
Casorezzo (Milan area), Italy

New Products
• Bag-On-Valve electronic filling line  
• RV propellant plants  
• Fibonacci mixing solutions  
• BOV leak detection

Services Provided
• B.O.V. aerosol lines (laboratory or indexing machines, high speed lines)  
• Traditional laboratory machines to high-speed aerosol lines  
• Technical assistance all over the world  
• Pharmaceutical equipment for medical devices and MDI process  
• Online spare parts service

Key Personnel
• Paolo Elsi (CEO and Sales Manager)  
• Daniele Veronese (Chief of the Engineering)  
• Stefano Romanelli and Aldo Villagrossi (Business Development)  
• Fabio Barozzi (Chief Operating Officer and Pharma development)  
• Mario De Paio (Industrial Management)  
• Massimiliano Rugo (Technical Sales Manager)

New Technologies or Patents
• Full electronic control of the ATEX Machines  
• Fibonacci Mixers  
• Diagnostic Remote control  
• Indexing drive on brushless  
• Multiple index to single index on the same machine

Markets Served
• Europe  
• Asia  
• South America  
• USA  
• Canada  
• Africa
Coster Group
Coster Group is a leading multinational provider of aerosol, spray and dispensing solutions for personal care, cosmetic, pharmaceutical, food, household and technical products. The company has the most comprehensive offering in the aerosol and dispensing industry, thanks to a complete range of standard and custom products:

- Aerosol valves and BOVs
- Actuators and spray caps
- Spray pumps, fragrance pumps and liquid dispenser pumps
- Pharmaceutical packaging components (e.g. pMDI valves and inhalers, nasal and oral spray pumps)
- Filling machines and lines

Coster is the sole company manufacturing both packaging components and filling equipment, capable of satisfying its clients’ most stringent requirements from A to Z.

Coster USA
Coster USA Inc. is Coster Group’s North American subsidiary located in South Elgin, Illinois, close to Chicago. In addition to trading the full Coster product portfolio, Coster USA specializes in the production of BOVs - bag-on-valves, and Rotor twist-lock actuator.

Since its incorporation in 2003, the Company has continuously strengthened its competitive position in the local market with dedicated investments in state-of-the-art production equipment. New investments in equipment and human resources are ongoing.

Pharmaceutical focus
Coster’s growth in the pharmaceutical market is significant and ongoing. Pharmaceutical packaging components such as pMDI valves (with FDA type III DMF registration) and nasal spray pumps are manufactured in two ISO 8 clean rooms. Inhaler actuators, 1” valves, BOVs and actuators are also available. Our BOVs are also DMF registered.

Moreover, with 50 years experience in the design and manufacture of high quality filling machines, Coster is a world-class leader in the provision of filling equipment to the pharmaceutical and personal care industries.

These include high-speed and semi-automatic machines for pMDIs, nasal and oral sprays, topical aerosols and BOV-based products.

Headquarters
Coster Tecnologie Speciali S.p.A.
Via Vincenzo Monti 23 - 20016
Pero – Milan, Italy
Tel : +39 02 636 161
E-mail: sales@coster.com

Coster U.S.A. Inc.
1625 Shanahan Drive,
South Elgin, Illinois - 60177 U.S.A.
Tel : +1 (847) 760 6040
E-mail: sales.usa@coster.com
DS Containers

Founded in 2005, DS Containers was pleased to open the doors of its second facility in 2017.

Key Personnel
- Bill Smith, Jr.: CEO
- John Duffy: Executive VP Finance, CFO
- Matt Kuehn: VP Sales, Marketing, and Technical Support
- Kevin Richards: Director-Technical Services
- Jeff Pray: Manager-Quality and Food Safety
- Gina Bucciarelli and Jack Finnell: Director of Sales
- Jack Childers: Sales Representative

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 recently expanded into the aluminum aerosol can market. We have combined existing D&I can manufacturing methodology 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 with inherently high recycled content. Our aluminum can portfolio includes 45 and 53 mm diameters with various height options produced in manufacturing layout utilizing dual in-line decorators with 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
Corporate Profile

EXAL

The Exal Corporation’s mission is to responsibly provide the highest quality and most sustainable aluminum aerosol packaging solutions to better everyday lives, and they have been focused on that delivering against that mission for 25 years. They have built their reputation by combining a highly skilled workforce with state-of-the-art equipment across the Americas. Exal’s team of innovators collaborates with customers to create cost effective, sustainable packaging that breaks through the sea of sameness to drive sales and elevate price points on the shelf.

For 25+ years Exal has created brand-defining packaging for companies around the world. Their expertise in shaping, graphics and lithography are combined with a focus on manufacturing high quality products, delivered on time in full, to continually set the standard in aluminum packaging. With a relentless pursuit of what’s possible, Exal takes ideas from concept to reality to meet customer’s evolving needs.

Services Provided:
The Exal innovation team combines decades of aluminum aerosol design and engineering experience to efficiently bring ideas to life. Their manufacturing and operations expertise delivers high quality products, on time in full, with industry best lead times.

Markets Served
- Personal Care & Beauty
- Hair Care
- Home Care
- Sun Care
- Skin Care
- Bath & Shower
- Pharmaceutical
- Food & Beverage
- Industrial
- Automotive
- Pet Care
- Paint
- Non-Aerosol Specialty

Key Aerosol Contacts
- Susan Chupak – (914) 649-2983
- Buddy Carhart – (724) 877-4622
- Becky Eltzoltz – (951) 318-3300

Locations
- Youngstown, OH (HQ)
- Garin, Argentina
- Pilar, Argentina
- Puerto Madryn, Argentina
- Itupeva, Brazil

Exal Corporation
One Performance Place
Youngstown, OH 44502
Phone: 330-744-2267
www.exal.com
ContactUs@Exal.com
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 over 600 million units of annualized production capacity, 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 semi-solids, Aerosols, Bag on Valve, and our exclusive eN2fused™ 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 Serviced:

- Consumer Healthcare
- Branded Rx
- Medical Device
- OTC

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, regardless of their size or marketplace, 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 profitable and 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
11775 Starkey Road
Largo, FL 33773
Tel: 1-888-643-8826 / Fax: 727-373-3990
Formulatedsolutions.com
websales@formsol.com
KIK Custom Products

KIK Contract Manufacturing and Personal Care Division is a leading contract manufacturer for the Consumer Packaged Goods industry (CPG) and the premier contract manufacturer for some of the world’s largest CPG companies, including marketers of aerosol products for personal care, household and health care. These brands are produced with one of North America’s most expansive network of aerosol production capabilities in three locations: Danville, Ill., Elkhart, Ind., and Gainesville, Ga. In addition, KIK has an extensive network of liquid and cream manufacturing capabilities. KIK offers one of the most extensive portfolios of packaging formats to meet customer’s standard or unique requirements.

The diversity of our aerosol plants allows us to deliver a unique platform of capabilities across a wide range of regulatory requirements, all connected with a common MRP system and adhering to consistent quality standards for total end-to-end, low-cost manufacturing and logistics solutions. From concept development to fully integrated manufacturing, or simply providing the capacity to handle overflow production, we work with our customers to deliver products to exact specifications.

KIK aerosol expertise includes state-of-the-art innovation and research and development labs where experienced chemists develop products to customer specifications from bench-top to full-scale production. We also have the expertise and facilities to implement stability programs with storage and analytical testing. KIK is registered with the FDA as a Drug Establishment and Medical Device Manufacturer.

Sourcing and procurement is another area of expertise where KIK can save customers time and money. We can support specific elements of a customer’s procurement functions or provide complete end-to-end procurement solutions. KIK’s centralized procurement team leverages supplier relationships and volume pricing to achieve the best quality ingredients and materials at the lowest possible cost.

Our quality expertise includes proven processes governing stability testing, control sampling, analytical and micro testing. As a contract manufacturer of leading consumer brands, KIK understands the importance of product quality, integrity and customer service. Our goal is to give you the utmost confidence in our ability to fulfill your order with quality products on time every time.

Products We Manufacture
- Liquids
- Aerosols
- Bar soaps
- Packets
- Deodorants
- Fragrances

Markets We Serve

Personal Care
- Baby care
- Bar soap
- Bath & shower
- Creams & lotions
- Deodorant
- Fragrance
- Hair care
- Shave products

Household Care
- Air care
- Dishwashing
- Liquid fabric softener
- Liquid laundry
- Pet care
- Polishes
- Surface cleaners

OTC/Pharma
- Analgesics
- Depilatories
- Oral care
- Skin care
- Sun care
- Wound care

Guest Amenities
- Bar soap
- Bath & shower
- Creams & lotions
- Deodorant
- Oral care
- Shave products
- Make-up Remover Wipes

Other Services We Provide
- Flexible volume fill and packaging
- Lab testing and formulation
- Procurement services and management

KIK Custom Products
800-276-8260 ext. 319148
www.KIKCorp.com
Majesty Packaging Systems Limited

One of the world’s market leading manufacturer of aerosol technology and dispensing solutions, Majesty offers the most range of standard and custom aerosol valves, spray actuators and dispensing pumps for personal care, home care, pharmaceutical and automobile and other industrial products.

- Aerosol valves such as 360 valve, metered valve, APD valve, Female valve
- BOV : Big capacity and full range from 30ml – 600ml
- Board range of Spray Actuators: 35mm; 45mm; 50mm; 50mm; 53mm; 65mm
- Dispensing pumps; Mist Sprayers

Majesty, established in 1988, is located in Zhongshan City, Guangdong Province, China, 100,000 sqm modern plant with comprehensive production capability of 6 billion sets of aerosol valves, 2 billion sets of dispensing pumps and 1 billion sets of spray caps.

- 400 electrical type of injection molding machines
- G.M.P. production facility
- 2,000 sqm lab with fully equipped
- In house Mold making tool room

Majesty has as always been contributing aerosol industry and dispensing systems to satisfy the customer on technical and commercial needs, which continues our good quality and innovations to make our life easier.

Majesty Packaging Systems Limited
No.21 Health Road, Torch Development District
Zhongshan, Guangdong, PR China (Zip code : 528437)
Tel:+86 760 8531 0888 / 2389 8533
Fax:+86 760 8559 8660
Email:gm@majestyvalve.com
www.majestyvalve.com

See our ad on page 75
MBC Aerosol

MBC has established a reputation for innovative machinery designs that are durable and economical. We take pride in working closely with our customers from concept to completion, ensuring precise machinery selection to fit production goals. Some of our customers are just entering the world of aerosol and bag-on-valve filling for the first time and may require guidance getting started. Other customers are more established in the aerosol industry and are looking to expand their production capabilities. Either way, MBC has the experience, resources, and ingenuity to assist in any project, large or small, from beginning to end. Celebrating our 10th year as of 2018 we stand committed to facilitate our customer’s requirements around the globe.

Products Offered:
MBC offers a complete line of equipment from simple upgrades and Add-on’s to turn-key solutions with production speed ranges to fit any requirement from 5-300cpm running Aluminum, Tin plate and Plastic Containers including:

- Aerosol Machinery & Stations
- Bag on Valve Machinery & Stations
- Pre-Owned Machinery

Key Personnel:
- Jim McBride: CEO - Sales jmcbride@mbc-aerosol.com
- Peter Burt: CTO - Engineering pburt@mbc-aerosol.com

Markets Served:
- Household
- Consumer Healthcare
- Medical
- Food
- Industrial
- Self Defense

New for 2019
- Gasser Shaker
- Leak Detector
- New 34K S.F. Location

445 Renner Drive
Elgin, IL. 60123
847-214-8843
www.mbc-aerosol.com
Celebrating our 60th Anniversary, McKernan Packaging Clearing House offers 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!

**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 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

**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 as they are unaffected by the recent increased tariffs. 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 or email 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
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 customers’ needs and adapts to changing trends. Headquartered in Hawkesbury, Ontario with five 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.

**Aerosol Can Manufacturing Facilities**

- **Lebanon, KY:** Montebello’s newest facility consists of 120,000 sq. ft. dedicated to aerosol can manufacturing with two state-of-the-art aerosol can manufacturing lines coupled with 9-color decorating capability.
- **Harrisonburg, VA:** This 187,000 sq. ft. facility manufactures the majority of Montebello’s 25mm, 35mm and 38mm diameter aluminum aerosol cans.
- **Hawkesbury, ON:** This 100,000 sq. ft. facility manufactures aluminum aerosol cans, and houses Montebello’s Administration, Customer Service, Graphics and Corporate Quality Assurance Department.

**Products and Services Offered**

- Aluminum Aerosol Cans
- Aluminum Beverage Bottles (1Shape)
- Collapsible Aluminum Tubes
- Laminate Tubes
- Food Filling Facility (approval by Health Canada & The American Food and Drug Administration)
- Graphic Artwork, Prepress, Digital Platemaking, 3D Package Modeling, and Graphic Design

**Key Personnel**

- Jean Francois Leclerc - President
- Chris Nyarady – Vice President of Sales

**New Technologies or Products**

Montebello Packaging has recently installed an industry leading laser trimmer for one of the high-speed aerosol can lines in the Kentucky facility. This new technology enables push button length changes, improved diameter change over lead-times, and improves overall accuracy and final cut profile. Their Graphics Department developed 3D modeling techniques that allows full 360 degree viewing of all product shapes they offer. The Quality Assurance Department at Montebello launched its Statistical Process Control Program in their Hawkesbury, ON, Lebanon, KY, and Harrisonburg, VA facilities. Benefits include a truly paperless environment, data input directly from the manufacturing floor, and a robust processing engine specifically designed to process manufacturing data to help ensure customers receive the best quality packaging available.
Nussbaum

The globally active Swiss family-owned Nussbaum-Group is a pioneer in the manufacture of attractive aluminium packaging solutions for more than 50 years. The Can Division offers capacity of over 500 Mio units. Our cans are available in a large variety of different shapes, linings and sizes. With constant focus on identifying and anticipating our customer’s needs and requirements a team of 430 people drives our continuous innovation and improvement.

Manufacturing Sites
- Four facilities in Germany and Switzerland

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)
- **Tubes** - 11 formats Ø 12 – 40 mm
  - Aluminium Tubes, 3gr – 200gr

Industries served
- Personal Care
- Pharmaceutical
- Food
- Industrial
- Home Care

Services offered
- Wide selection of linings (e.g. BPA N.I., PAM and PAM alternatives)
- In-house prepress department
- R&D including tooling supply
- Drug Master File
- DOT2Q registration

New Technologies
Following the recent re-engineered Can-in-Can system, Nussbaum invested in the latest technology for perfect merging of the inner pouch with the standard aluminium can. This inline glue-process ensures the absolute tightness between the two aluminium containers. The Aerosol can is available in different diameters and the filling content ranges from 32ml up to 290ml.

Our lightweight Aerosol Cans in Aluminium Alloy are available in various sizes, meeting the environmental and cost-saving expectations.

Key Contact
North America contact – Paxtek International LLC
Tel. 203-761-1105

NUSSBAUM MATZINGEN AG (HQ)
Frauenfelderstrasse 67
CH-9548 Matzingen
0041 52 3693911
www.nucan.com
nucan@nucan.com

Nussbaum’s Can-in-Can – the two-chamber pressure pack made of pure aluminium
PLZ Aeroscience Corporation

PLZ Aeroscience is the North American leader in specialty aerosol and liquid product manufacturing. The PLZ family of companies specializes in the development, manufacturing, packaging and distribution of a comprehensive line of contract fill, branded and private-label products. We formulate, blend, fill and package more than 2,500 branded and private-label products including cleaners and polishers, industrial solvents, lubricants and degreasers, adhesives, sanitary supply disinfectants, insecticides, air fresheners and personal care products for home and industrial use.

**Locations**
USA (Illinois, Missouri, California, Georgia) Canada (Vaughn, Ontario)

**Technical Capabilities**
Our technical capabilities are informed by decades of experience in research and development, and the documentation and regulatory matters that accompany the work. 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’s 13 manufacturing locations. We maintain more than 40,000 bills of materials (BOMs) or blue prints for each finished product.

**Research & Product Development**
We offer complete product development from formula creation to performance and stability testing for custom or off-the-shelf goods. PLZ’s team of chemists have developed over 350 proprietary formulas and 6,900 unique skus.

**Branding and Packaging**
We offer strategic creative package design for branded or private label products, as well as strategic product line development and in-store programs such as merchandising displays and signage.

**Key Personnel**
- John Ferring, Chairman
- Ed Byczynski, President/CEO
- Ed Hribar, Sr. VP, Distribution Division
- Rommel Miranda, Sr. VP, Contract Packaging
- Don Jacklich, Senior VPGM Retail & Foodservice

**New Technologies/Patents**
Liquid Glass Cleaner, available at: www.spraywayretail.com

**Markets Served**
- Agriculture
- Automotive
- Commercial Vehicle
- Construction
- Electrical & Electronic Maintenance
- Flooring
- Food Service
- Furniture, Bedding & Upholstery
- Glass Trade
- Household Cleaning Products
- Housekeeping
- Insecticides & Repellents
- Industrial Supply
- Janitorial
- Maintenance, Repair & Operation (MRO)
- Marine
- Oil Field, Natural Gas & Mining
- Personal Care
- Pet Care
- Picture Framing, Arts & Crafts
- RV Industry
- Sanitation
- Screen Printing & Graphic Arts
- Sewing Trade
- Transportation & Fleet Service
- Wood working
Precision Global

Precision Valve Corporation is the inventor of the first mass produced aerosol valves in 1949 and since then the global leader in aerosol valves, actuators and dispensing solutions. Precision serves a variety of end markets, including personal, household, food and beverage, industrial, and pharmaceutical.

The aerosol industry, to which Precision Valve Corporation gave birth, has expanded worldwide to reach more than 16 billion of aerosol cans filled every year.

Precision’s ever-growing product portfolio features valves, actuators, pumps, and other dispensing solutions. The valves offering includes a comprehensive range of 1” male valves, tilt valves, powder, 360 degree valves, capillary valves, metered valves and Bag On Valves. Precision offers an extensive portfolio of actuators as well including everything from standard buttons to innovative twist-lock actuators. Precision’s broad selection of pumps includes trigger sprayers, lotion pumps, foamers, crimp, 20mm, and specialized pumps.

Today, Precision operates a multinational network of 18 facilities spanning 15 countries on 6 continents, including Argentina, Australia, Brazil, China, France, Germany, Italy, Japan, Mexico, South Africa, Spain, Thailand, United Kingdom, USA and Venezuela. Precision can rightly claim to be the only truly global producer and marketer of aerosol valves and actuators.

Precision has an ongoing objective to maintain the highest standards of product safety, environmental, legality & quality. With these goals in mind the Group chose the BRC / IoP Global Standard for Packaging & Packaging Material, Issue 4 [Food Grade] as its objective. We can proudly announce that our Argentina, Australia, Germany and Thailand sites have led the way in our Group through gaining accreditation to this Standard. Our clean room production facilities comply with the highest pharmaceutical standards. In terms of Environmental Management, our facilities in Mexico, China, Thailand and China are ISO 14001 certified.

Precision has always worked closely with its customers to satisfy the technological and commercial requirements of aerosol marketers, fillers, and brand owners.

From concept through design to manufacture … Precision provides a multi-skilled team of experts to support your aerosol & dispensing needs. Do not hesitate to contact us!

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

New 35 mm Actuators: Colt & Tornado
As the world’s leading supplier of canmaking machinery, Stolle offers complete solutions for manufacturing 2-piece D&I aerosol cans. From a single machine to a complete plant or production line, 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 (5 facilities), Europe, Brazil (2 facilities), China (2 facilities), Vietnam, India, and Jordan.

**New Products**
Stolle recently completed the design and construction of 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 stollemachinery.com/videos/Speedcan.html. This year Stolle has also introduced the Canceptor, a D&I bodymaker that can more easily be converted to different stroke lengths to produce different can heights. In addition, Stolle has introduced a die necker machine, as well as a complete line of can washers and ovens in the past two years.

**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
- Robert Gary – CCO
- Ian Scholey – CTO
- Chris McAlpine – VP of Global Systems

**Markets Served**
Manufacturers of 2-piece beer-beverage, food and aerosol cans.

Stolle Machinery
6949 S. Potomac Street
Centennial, CO
303-708-9044
stollemachinery.com
Summit Packaging

Summit Packaging Systems recently celebrated its 44th 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. With six plants strategically located for optimal customer service, Summit Packaging has two facilities in Manchester, NH, USA; as well as facilities in Almere, The Netherlands; Pilar, Argentina; Racine, WI, USA; and Tarnow, Poland.

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.

**Bag-On-Valve**
Summit Packaging Systems continues to broaden and expand its BOV offerings as it continues to grow in the ever expanding BOV marketplace. Summit ensures that all the technical and commercial requirements are met as the industry’s BOV product lines expand beyond the traditional BOV products.

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

See our ad on page 80
Terco

Terco, Inc. is one of the leading manufacturers of aerosol filling equipment. Since 1965 our years of experience with customers 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-on-valve), 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, Inc.
459 Camden Drive
Bloomingdale, IL 60108
Phone: 630-894-8828
Fax: 630-894-8846
sales@terco.com
www.terco.com

See our ad on pages 54 & 72
Toyo & Deutsche Aerosol GmbH

Toyo & Deutsche Aerosol GmbH in Germany is a contract manufacturer for BOV aerosol products and represents THE DUAL® packaging system in Europe and North America.

THE DUAL® - Exclusive Aerosol Packaging
THE DUAL® enables the separate storage of two components and the discharge with one push. THE DUAL® is suitable for most two-component products, such as hair color, that might require a chemical reaction.

Possible Applications
We offer Full Service in:
- Personal care products
- Cosmetics
- Hair care & color

We are open to working on new packaging developments for professional and consumer brands, luxury or convenience products and international or regional manufacturers.

Manufacturing Capabilities
THE DUAL® and Bag-on-Valve Aerosols
- THE DUAL® manufacturing & filling: 2x 50 ml pouches
  (Smaller sizes available: 2x 25 ml up to 2x 35 ml)
- Bag-on-Valve manufacturing: 50 ml to 300 ml pouch
- Filling of different kinds of gases, liquids, gels, creams and foams in BOV aerosols: 50 ml to 300 ml
- Cleanroom environment production and filling
- Blending with vacuum processing systems
- In-house R&D department

Certifications
- Environmental Management ISO 14001:2015

Please contact us for more info:
sales@td-aerosol.com

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Phone: +49 9401 607 94 0
Tri-Pac, Inc.

Customer Focused, Quality Driven

Tri-Pac, Inc. is a turn-key Contract Development and Manufacturing (CDMO) partner for aerosols, foams, liquids, cream and gels specializing in Medical Devices, Topical OTC, Consumer Healthcare and Personal Care.

Headquartered in South Bend, IN, Tri-Pac is located in a new 65,000 sq. ft FDA Registered cGMP facility. Tri-Pac houses explosion proof ISO Class 7 & 8 Cleanroom suites for aerosol, foam, liquid and tube filling and blending.

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

• cGMP, FDA, OTC, ITAR, EPA, Organic Facility
• ISO 9001, ISO 14001 Certified & ISO 13485 Compliant
• Onsite Analytical & R&D Labs
• Cleanrooms – ISO 7 & 8, Explosion Proof
• Purified Water System
• OSHA, EPA, IDEM, NFPA, NEC facility compliance

Services & Technology

• Turnkey Research & Development
• Analytical Testing, Quality Testing and Stability Study program
• Aerosol Filling (ISO 7) – Spray, Foam, BOV, Piston Barrier, Micro dosing
• Liquid Filling (ISO 7) – Liquids, Gel, Cream, Lotion
• Tube filling (ISO 8) – Liquids, Gels, Cream, Lotion, Pastes
• Blending (ISO 8) – Pilot, Turbine, Homogenizer, Side Sweep, Heat/ Cool
• Kitting, Secondary Packaging, Shrink Sleeving and Shrink Banding
• SAP ERP, SAP PPS, SAP WMS
• Kanban, Gemba, JIT

Markets Served

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

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See our ad on page 74