



# Giant Machinery Suppliers



Company	Krones	KHS	Sidel Group	GEA	Tetra Pak	SIG Combibloc	Pentair
<b>Group affiliation</b>		The company is a wholly owned subsidiary of the Salzgitter Group.	Tetra Laval Group		Tetra Laval Group	SIG Combibloc is part of the Canadian-based private equity company Onex Corporation	
<b>Foundation</b>	1951	1993 as a result of a merger involving Holstein & Kappert AG, Dortmund (founded in 1868) and Seitz-Werke GmbH in Bad Kreuznach, later SEN AG (founded in 1887)	1965 in Le Havre Milestones: 1850 – Simonazzi Workshops founded (Parma, Italy); 1964 – Gebo founded (Reichstett, France); 1965 – Sidel founded (Le Havre, France); 1974 – Cermex founded (Corcelle les Citeaux, France); 2003 – Sidel Group (including Gebo and Cermex) joins Tetra Laval Group; 2005 – Simonazzi joins Tetra Laval Group; 2013 – Sidel launches RightWeight™ concept bottle for still water; 2013 – the newly founded Gebo Cermex introduces the EvoFlex range of versatile single-column palletising solutions	1881 – Founding of Metallgesellschaft AG (MG) in Frankfurt/Main as a metals trading company, 1920 – Foundation of GEA, a company producing dedusting equipment, 1991 – 95 Intense acquisition activity in GEA, including Grasso, Niro, Westfalia Separator and Tuchenhagen as experts with a long history in food and beverage industries, 1999 – MG acquires GEA AG, 2005 – Renaming of MG Technologies AG (former MG) as GEA Group Aktiengesellschaft, 2006 – Acquisition of Huppmann, 2007 – Acquisition of Prococomac, 2014 – Disinvestment of Heat Exchanger business, 2015 – New organizational structure with a single point of contact for customers	1951 in Lund/Sweden	The story of the Schweizerische Industrie Gesellschaft (SIG) starts in 1853 with the manufacture of railway cars, and encompasses weapons technology, tool design and construction, and manufacturing systems engineering, culminating in the present-day production of packaging and filling machines. The history of the SIG Combibloc beverage carton is only a few years younger, and dates back to the invention of "Perega," Europe's first beverage carton. In 1989, ownership of the German packaging company is transferred to SIG Holding AG in Neuhausen am Rheinfall. Since 2015, SIG has been part of the Canadian-based private equity company Onex Corporation.	Pentair was founded in 1966 in the United States as a vision-driven company, grounded in the practical application of the best available ideas. Many of the acquired businesses and their products have a rich history that dates back more than 150 years. Today, Pentair's 19,000 employees design, manufacture and market industrial products sold on all seven continents. Driven by a purpose of improving people's lives around the world, our solutions help customers manage water, maximize energy processes, and produce more food sustainably, while protecting people and the environment.
<b>Headquarters/Head Office</b>	Neutraubling/Germany	Dortmund/Germany	Parma/Italy	Düsseldorf/Germany	Pully/Switzerland	Neuhausen am Rheinfall/Switzerland	Incorporated in Ireland, centrally managed in the U.K., with main U.S. offices in Minneapolis, Minnesota
<b>Employees</b>	14,443 (+8.2 %, as of 12/31/2016)	4,995 (+2.5 % as of 2016)	5,320 (-1.4 %, as of December 2016)	16,937 (-3.4 %, as of 12/31/2016)	24,140 (+2.4 %, as of December 2016)	5,000+	19,000 (-31.2 %, as of 12/31/2016 due to sale of valves & controls business)
<b>Production sites</b>	5 (all of them in Germany)	11 (5 of them in Germany)	19	approx. 70 worldwide	47 Factories for machine assembly: 5 Production plants: 42 for packaging material: 32; for closures: 4; for Strips & Films: 3; for Straw: 3	9	100+ manufacturing facilities; 60+ service centers worldwide
<b>Production locations</b>	Neutraubling, Freising, Rosenheim, Flensburg, Nittenau	Germany (Dortmund, Bad Kreuznach, Hamburg, Worms, Kleve), Brazil (São Paulo), USA (Waukesha, Sarasota), Mexico (Zinacantepec), India (Ahmedabad), China (Suzhou)	Italy, France, China, India, USA, Mexico, Canada, Chile, Portugal, South Africa	Germany: e.g. Bodenheim, Bönen, Büchen, Niederahr, Kempten, Kitzingen, Oelde, Wallau World: e.g. Brazil, China, France, Italy, New Zealand, Russia, South Africa, The Netherlands, USA	worldwide	Germany (Linnich, Wittenberg); Austria (Saalfelden); Switzerland (Neuhausen); China (Suzhou); Saudi Arabia (Riyadh); Thailand (Rayong); Brazil (Campo Largo); New Zealand (Whakatane)	
<b>Brands and fields of activities</b>	<b>Krones</b> The Krones Group, headquartered in Neutraubling, Germany, plans, develops and manufactures machines and complete lines for the beverage industry. Furthermore the company conducts business in the food and luxury-goods industries, plus the chemical, cosmetics and pharmaceutical sectors. The Krones' product portfolio covers the high, middle and low output range. Stretch blow-moulding technology, Filling and closing technology, Aseptic filling, Labeling, direct printing and dressing technology, Inspection and monitoring technology, Cleaning technology, rinsers, pasteurizers, Packing and palletizing technology, Conveyor technology, Systems engineering, Process technology, Brewing technology (Steinecker), Information technology, PET recycling plants, Factory planning, Valve technology and pump production, Intralogistics, Homogenizers, Consumables, Pre-owned machines, Engineering, Lifecycle Service	<b>KHS</b> The company is an international manufacturer of filling and packaging systems for the beverage, food and non-food industries.  Fields of activities: Sanitizing technology, Pasteurizing technology, Inspection technology, Labeling technology, Conveying technology, Packaging technology, Process technology, Filling, rinsing and capping/seaming technology, Aseptic technology, Flash pasteurizers, Keg technology, Palletizing technology, Stretch blow molding technology, Barrier technology, Turnkey lines, Factory planning, Technical support, Intralogistics, IT systems	<b>Sidel Group</b> comprises two strong brands – Sidel and Gebo Cermex – and is a leading provider of equipment and services for packaging liquids, foods, home and personal care products in PET, can, glass and other packaging materials.  Equipment: Blowing; Dry Preform Decontamination; Filling; Combi; Tilling & Cooling; Labelling; Conveying; Overwrapping & Packing; Palletising & Depalletising; Crating & Decrating; Complete Lines. The company has installed more than 37,000 machines in over 190 countries, with nearly 170 years of experience.	<b>GEA</b> focuses on process technology and components for sophisticated production processes including service. For beverage applications, GEA provides project engineering, construction and installation of modular and complete turnkey projects. GEA experts accompany the whole value chain of beverage production: brewhouse and cold process solutions, process automation and utilities, processing units, sustainables solutions, blowing, filling and packaging solutions, service, life cycle management by total productive maintenance. Complete brewhouses; technology for the cold process area; CIP systems; refrigeration plants and CO <sub>2</sub> recovery plants; process control and automation systems; process components: separators; decanters; filtration units; valves; pumps; in-line connections; evaporators; distillers; vacuum systems; gas scrubbers; complete greenfield projects; filling and packaging lines	<b>Tetra Pak</b> The company is specialised in complete solutions for processing, packaging and distribution of food products. The products are divided into several different categories: – Packages – Processing equipment – Filling machines – Distribution equipment – Service products  The Tetra Pak range of packaging systems compares ten alternatives: Tetra Brik, Tetra Classic, Tetra Evero, Tetra Fino, Tetra Gemina, Tetra Prisma, Tetra Recart, Tetra Rex, Tetra Top, Tetra Wedge  Number of liters of products sold in Tetra Pak packages in 2016 (billion): 77.8 Number of Tetra Pak packages sold in 2016 (billion): 188	<b>SIG Combibloc</b> is one of the world's leading solution providers for the food and beverage industry within the field of carton packs and filling technology. The company provides carton packaging for food and beverages, filling machine technology, technical expert service and extensive added-value services. Customers in over 65 countries fill more than 10,000 products from over 50 product categories from the NCSO, LD and food segments into SIG carton packs.  <i>Packaging Portfolio:</i> combibloc/combifit, combibloc EcoPlus, combidome, drinksplus, combisafe  <i>Product Segments:</i> milk and dairy products, juices, nectars, fruit juice drinks, iced tea, wellness-drinks, wine, baby food, drinksplus products with natural pieces like fruit bits or cereal grains, soups, sauces, tomato products, ready meals, fruits, vegetables, desserts	<b>Pentair plc</b> delivers industry-leading products, services and solutions for its customers' diverse needs in water and other fluids, thermal management and equipment protection.  Selection of brands that serve the Food & Beverage Industries: <b>Pentair Haffmans:</b> Quality control equipment, microfiltration, CO <sub>2</sub> systems for the brewing, soft drink, wine, bioethanol and biogas industries <b>Pentair Südmö:</b> Stainless steel sanitary & aseptic valves and fittings, valve manifolds, hygienic pumps, prefabricated units, and turnkey projects for food, dairy, beverage, pharmaceutical, chemical and cosmetic processes <b>Pentair Beverage Filtration Solutions:</b> DE-free beer membrane filtration, standardized units, turnkey projects, complete cold block processing <b>Pentair X-Flow:</b> Membranes, modules & systems for filtration, separation, concentration and purification processes of water and wastewater for industries and municipalities <b>Pentair Union Engineering:</b> Sustainable technologies for capturing, recovering and purification of carbon dioxide
<b>Sales and service subsidiaries worldwide</b>	More than 80 sales and service subsidiaries, including 7 spare parts/service centers located in Germany, USA, Brazil, China, South Africa, Thailand, Russia.	More than 60 service and distribution points	Countries served: >190 Offices: 50; Research and development centres: 8; Packaging & Tooling centres: 7; Technical Training centres: 8;	At country level, operational sales and service activities are brought together into one organization. 45 country organizations in more than 50 countries offer the entire range of GEA products and services and are the central point for customer contact.	Countries served: >175 R & D units: 6 Sales offices: 79 Market companies: 32 Technical training centers: 11	Sales: in more than 40 countries Technical service: more than 500 SIG service professionals	Worldwide network of sales and service offices, and distributors
<b>Total turnover 2016</b>	3,391.3 m euros (+6.9 %)	1,180 m euros (+0.1 %)	1,435 m euros (+1.7 %)	4,491.9 m euros (-2.3 %)	11,400 m euros (-3.5 %)	1,724 m euros (+0.1 %)	4,890 m US \$ (-5.9 %)
<b>Turnover according to regions 2016</b>	10.4 % Germany; 6.3 % Central Europe (without Germany); 15.1 % Western Europe; 3.6 % Eastern Europe; 2.1 % Russia, Central Asia (CIS); 16.8 % Middle East/Africa; 11.9 % Asia/Pacific; 9.5 % China; 15.0 % Northern & Central America; 9.3 % South America/Mexico	29 % America; 32 % Europe/CIS; 26 % Asia/Australia; 13 % Middle East/Africa	21 % North America; 17 % Latin America; 26 % Europe & Central Asia; 25 % Asia, Middle East & Africa; 11 % Greater China	23 % Asia-Pacific; 20 % DACH & Eastern Europe; 18 % Western Europe, Middle East & Africa; 15 % Northern & Central Europe; 6.0 % Latin America; 18 % Northern America	26 % North, Central & South America; 28 % Europe & Central Asia; 13 % Greater Middle East & Africa; 15 % Greater China; 18 % South Asia, East Asia & Oceania	not specified	66 % USA & Canada; 14 % Fast Growth Regions; 16 % Western Europe; 4 % Other developed
<b>Turnover according to product groups/sectors 2016</b>	32.1 % alcoholic beverages, 60.3 % nonalcoholic beverages, 7.6 % food, chemicals, pharmaceuticals, cosmetics	not specified	9 % Carbonated Soft Drinks; 27 % Water; 26 % Beer & Spirits; 18 % Juices, Nectars, Soft Drinks, Isotonics & Teas; 4 % Liquid Dairy Products; 16 % Food, Home and Personal Care	13 % Beverages; 12 % Dairy Farming; 20 % Dairy Processing; 25 % Food; 15 % Pharma/Chemicals; 15 % Other	64 % liquid dairy products, 16 % juices & nectars; 8 % still drinks; 7 % dairy alternatives; 3 % food; 2 % wine and spirits; 1 % Other	not specified	Sales by verticals: 45 % Residential & Commercial; 21 % Industrial; 10 % Energy; 13 % Food & Beverage; 11 % Infrastructure
<b>Turnover distribution – product ranges/segments 2016</b>	83.0 % machines and lines for product filling and decoration 13.4 % machines and lines for beverage production/process technology 3.6 % machines and lines for the low output range	not specified	not specified	Business Area Equipment: 48 % Business Area Solutions: 52 %	not specified	not specified	Sales by segments: 57 % Water; 43 % Electrical
<b>Internet</b>	www.krones.com	www.khs.com	www.sidel.com; www.gebocermex.com	www.gea.com	www.tetrapak.com	www.sig.biz	www.foodandbeverage.pentair.com; www.pentair.com

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