We do more.
Every day, millions of glass bottles, cans and PET containers run through a KRONES line. As a supplier for complete systems, KRONES provides breweries, beverage bottlers and food producers all over the world with individual machines and with complete production lines.

**The KRONES services:**
- From the single component to the turnkey factory
- From the process technology to intralogistics
- From the first planning to the support of the current operation
- From the machine technology to the overall IT

- Customers from 190 countries rely upon KRONES.
- Every fourth bottle in the world runs through a KRONES machine.
KRONES designs and implements complete lines for beverages and food, which cover each individual production process step – starting from product and container production, filling and packaging all the way up to material flow and container recycling. No matter which task you have approached us with: you call the tune and we will provide solutions customised to your needs.

You would like to know if KRONES is the right address for you? There is a quick answer: Our solutions are perfectly suitable for the following products, tasks and companies.

**Branches:**
- Beer
- Soft drinks
- Juice and other sensitive products
- Water
- Milk
- Food
- Wine, sparkling wine, spirits
- Cosmetics

**Packaging:**
- PET and other plastic materials
- Glass
- Can
- All types of secondary and tertiary packagings

**Company size:**
- Small and medium-sized companies
- High-performance companies with shift operation
- Semi-automatic and fully-automatic production

**KRONES scope of supply:**
- Components such as pumps or consumables
- Individual machines
- Turnkey lines
- Complete factories
- Engineering
- Integration of best-in-class solutions
- Business consulting
- Bottle design
- and much more
KRONES overall solutions: All from one supplier

Beer

Soft drinks

Juice and other sensitive products

Water
Since 1875, STEINECKER is known for high-quality brewing technology. In 1994, the long-established company joined the KRONES family and since then it has created a powerful team with the KRONES filling and packaging technology. Today, hundreds of breweries worldwide use our lines for their production and they are becoming more and more, because we offer:

- Planning and construction of complete production sites
- Lines for all kinds of company sizes

Planned exactly to the millimetre

Historical buildings, show case brewhouse or production sites which spread over several floors? During the planning of breweries, it is often the architecture of the building which sets the rules. Luckily, the KRONES plant engineers are used to broaden their technological horizon. No matter how complicated the constructional requirements might be: We will find a solution for how the lines and the architecture supplement each other and how they build a functional and aesthetic unity.

Water that suits your taste

Regardless if it is a new creation or a traditional brand: We brew with very few ingredients. Therefore the contribution of each of them is even greater. This goes especially for water. With a hydromonic treatment system, you are in charge of how to compose the quality of your untreated water. Depending on the intended use and the desired result, you can choose from different treatment processes.

Saving? Not a question of age!

Would you like to have a more contemporary production process with an existing line and low investments? Great – Because our decades of experience with installations worldwide has taught us quite a bit: In almost every company, there are hidden saving potentials which are waiting to be found. We can show you how to find these hidden reserves and use them systematically for example within an energy and media consultation.

Measurable economic efficiency

No question: Brewing is an energy-efficient process. However, there is a clear difference between a high energy consumption and an excessively high energy consumption. Therefore, the KRONES developers are constantly working on new methods and technologies pushing on the economic efficiency of the beverage industry. What is the result of our research? Products which can verifiably be used for economic productions which save resources as well. This includes, for example:

- The BrewRunner – an energy-saving brewing process
- The EquiTherm systems for energy recuperation
- The LinaFlex pasteuriser with low water and energy consumption
- Entirely low-energy breweries
- ... and much more

Craft brewers watch out: You can find individual solutions for small and medium-sized breweries under craftbrewing.krones.com.
Soft drinks are colourful, fresh and there are many. The non-alcoholic thirst quenchers are extremely alterable and enter the market in more and more new variants. Would you like to stand out from the crowd with your products? Then you should focus on process technology which is keeping pace with your ideas and inspiring your fantasy rather than limiting it. At KRONES you will find the right equipment, because our lines will be adapted to your ideas and not vice versa. Among others, our process technology solutions for soft drinks comprise:

- Water treatment systems
- Syrup room
- Mixer
- Carbonator
- Product deaerator
- Storage tanks

**The block that can do it all**

From the preform to the finished product in 12 metres: When it comes to output per footprint, the ErgoBloc L is a record breaker. It blows, labels, fills and caps up to 81,000 PET bottles per hour – and on top, it requires 70 percent less space than a traditional line. The reason: In the ErgoBloc L, the individual production steps are seamlessly entwined without conveyor sections, buffer zones or other detours.

**Functional eye-catchers**

The KRONES design ensures an outstanding performance for PET bottles, both during production and in the retail shelves. Being experts in this industrial sector, KRONES designers have a great deal of experience combining functionality and creativity. Numerous design awards and extraordinary designs for customers all over the world provide evidence.

Would you like to fill your product in cans or glass bottles? The KRONES filler family has also the right specialists for this. It comprises a large selection of filling processes, outputs and hygiene levels. Talk to us: Together, we will construct the perfect system for you and your design.
Safety from one supplier
In the Contiform AseptBloc, the PET containers are blown, filled and capped under sterile conditions with an especially innovative method. Contiform AseptBloc already treats the preforms while other systems only sterilise finished bottles. The reason: The preform surface is considerably smaller. The result: shorter treatment times and noticeably less energy and media consumption.

Fruit juice and other sensitive beverages require gentle treatment and hygienic first-class environment filling. Therefore, KRONES emphasises on safe design and gentle filling technologies. Our product range for sensitive products is very broad, since every product has its own preferences.

Separated for a happy ending
The most gentle way for beverages with particles and fruit pieces:
In the KRONES twin-flow process, the liquid and solid components are separated from each other. This way, each component receives precisely its optimum treatment. The dual-way concept starts with the production of the components and is applied throughout the entire product treatment. In order to make sure that even most sensitive particles end up in the bottle without any harm, KRONES offers special dosing systems for aseptic filling as well as for hot filling.

Aseptics for all scenarios
Filling sensitive beverages is somewhat of a balancing act. On the one hand, absolute safety for the consumer must be guaranteed. On the other hand, many thirst quenchers react sensitively when being given preserving media or exposed to thermal stress. Aseptic filling can bring both sides into balance — but only then, if the right degree of microbiological know-how and tried-and-tested technology is applied. The KRONES aseptic systems meet both, because they are adapted individually to your products and to the basic conditions. Among others, the following features can be realised:

- Aseptic tanks and process units
- Wet and dry sterilisation
- Compact blocks and traditional lines
- Fillers with load cells or flow meters
- Lines for the high and low output range

Fresh technology for juice and other sensitive products
Still or sparkling? Pure or with flavour? PET or glass? Standard packaging or design bottle? The selection shows: Not all waters are the same; it's a mutable product. And it is exactly those facets that our technology counters with individual solutions.

**Ideal weight for PET bottles**

The lighter the packaging the lower the costs. If you wish to reduce your PET consumption, we will gladly put your bottles on a diet. No matter if this refers to slimming an existing design or to new ideas for reducing the weight: The KRONES design engineers are specialised in light-weighting and have managed to bring every bottle into top form so far.

**Filling made easy**

A conventional production line is made up of single machines which are interlinked by conveyors. In the Contiform Bloc, for example, a blow moulder and a filler form a compact unit in which the PET bottles are filled directly after the blow moulding process. Perfectly coordinated machines and a high level of automation ensure that your production runs smoothly from the very first day!

**On the fast lane**

The KRONES stretch blow moulders, fillers and labellers handle more than 80,000 bottles per hour, regardless if they are arranged as a block or a traditional line. The Contiroll HS — our high-speed variant of our most sold machine — labels up to 22 containers per second. You might not be able to follow this by the naked eye, however, the KRONES inspection technology does. State-of-the art inspection technology assures that your products are treated with the accuracy they deserve. Even then when it comes to top speeds in the production hall.
Natural products deserve special attention: Therefore, we created our own subsidiary for products like milk and other dairy products. MILKRON GMBH is your main contractor when it comes to finding your technical solution from all the options provided for an ideal overall solution for your production. For all of those who wish to have a smaller size, the KRONES Group product range also provides numerous individual machines for dairy products.

**Reliable filling without preservatives**

A filling line is not a casino: Uncertainties and leaving things to chance are never an option. This applies in particular to microbiological safety of food. With KRONES UltraClean, you are on the safe side in terms of ESL and EHF products. That’s because the hygienic processes guarantee a protective atmosphere that protects the product – and thus also the consumer – from risks caused by germs.

**Specialist for homogenisers**

Homogenisers support stability, colour intensity, flavour, consistency and shelf life – therefore they are amongst the key components in the dairy industry. In order to make sure you must make no compromises with this important process step, we offer with our one-hundred percent subsidiary HST a broad machine series for different products, throughput rates and homogeniser pressures.
KRONES' roots is the beverage industry. However, since our technology is continuously growing, by now, its branches reach far into others. This implies labelling, packaging, commissioning or warehousing. Our lines are all-rounders. Therefore they can be used for all kinds of different products, containers and packaging types. When it comes to especially difficult tasks, we have own specialists who are exclusively responsible for the requirements of the food industry.

New perspectives for piston fillers

Some foodstuffs want to be handled very gently, others want to be accurately measured. Some feel at ease only in an immaculate environment. Others are untidy by nature, forming threads or stubborn droplets whenever they get the chance. Our Viscofill system provides the perfect solution exactly for such situations. This machine series complements the traditional piston filling method with contemporary dosing, automation and cleaning technologies. Since every model is individually pre- pared for its application, the Viscofill meets also very challenging tasks such as:
- Transportation of pieces with a size of up to 40 mm
- Clean dosing of stringy products
- Alternate handling of different products and containers
- Bubble-free filling of food with flow limitation

Packers for the future

The KRONES packaging lines handle all different kinds of variations of primary and secondary packaging. Even if they have been many years in use, they can easily be retrofitted to other packaging types. For you, this simply means: that you can face also future developments more relaxed. No matter where the journey goes, your packaging machines will definitely be on board.

Efficiency also in the warehouse

SYSKRON, a one-hundred percent KRONES subsidiary offers you customised intralogistics systems for the food industry. Being a main contractor, it implements manual, semi-automatic and fully-automatic warehouses which can cope with a high quantity of items and packaging varieties as well as with frequent type change-overs or integrated cold chains. The selection and adaptation of the respective warehousing technology is performed individually for each project.
The more precious a product is, the more significant will each fault be which is caused by inaccurate work. In order to avoid this, the KRONES lines for wine, sparkling wine and spirits will be adjusted in precision work to your product, your labels and your packaging.

**Perfect position and excellent appearance**

Labelling technology is one of the most traditional product groups of KRONES. It was created in 1951 and has been continuously developed further since then. Today, the KRONES range of machines includes many small and large specialists which know how to handle all types of labels such as:

- Body and shoulder labels
- Back, neck ring, and deep cone labels
- Labels for swing stopper and tamper-evident seals
- Wine seals or diagonal strips
- Champagne bands or medallions
- Foiling or tax strips

**Meticulous filling without oxygen**

Who assures that your products taste just the way you thought when serving them? It is the filler, which considers your individual requirements. Our machines for wine, sparkling wine and spirits do this in even two ways: First of all, they provide a microbiologically safe environment. Secondly, they only allow very little oxygen to enter the product. In addition, different mechanisms for fill quantity correction ensure that no excessive drop will enter the bottle.

**Avoiding acts of piracy and grey markets**

SitePilot Serialisation protects the consumers and the manufacturers of high-quality products against the influence of third parties. Depending on its application this system assigns a QR code to every item and in turn, the QR code will be assigned to the codes of the secondary packaging and pallets. This way, you can do the following:

- Detect forgery
- Protect products and packagings against manipulations
- Determine quality-relevant production data
- Check distribution channels and dry up grey markets
Without it, today’s cosmetics industry would not be conceivable: Plastics can take on almost any shape, they are both light and break-proof and they can be fully recycled again at the end of their life cycle. So it is no wonder that PET, PE, HDPE and Co play also a great role in the KRONES world: You will find a large scope of innovative solutions ranging from the container design, the labelling technology all the way to recycling for the industrial use of plastics, in particular PET.

**Body painting for plastic bottles**

The DecoType direct printing machine makes the design of plastic containers quite an experience. It can print systematically on elevated as well as recessed structures. This way, grooves and reliefs which can only be sensed but not seen, can be accented optically. Feeling and seeing will thus merge into a harmonic overall impression – a special sensory effect which cannot be created with conventional labels.

- Prints bottles of PE, PET and HDPE
- Suitable for all container types
- Decorates grooves, embossments and ornaments
- Personalises products at the push of a button
- Free design at affordable costs also for small batches
Even non-returnable PET bottles have more than one service life. PET can easily be recycled and thereby be used again and again for the production of new PET bottles or other plastic products. In order to make use of these valuable material properties, KRONES has developed the MetaPure recycling system. It closes the bottle-to-bottle circuit and enables the PET bottles to start their lives all over again.

**More independence – less costs**

For the manufacturers and bottlers of PET containers, MetaPure means three things: cutting the expenses during bottle production, independence during materials procurement and it is environmentally friendly. The KRONES recycling processes make use of all these advantages for you. Talk to us: We will gladly consult you letting you know if and to what extent a PET recycling process would pay off for your production.
Short paths, flexible response facilities, lean structures: Efficiency is the mother of intralogistics. And this applies not only to the material flow processes, but also to the planning, the development and the implementation of those processes as well. In order to live up to this efficiency, an own business field at KRONES was established specifically for intralogistics solutions. It implements manual, semi-automatic and fully-automatic warehouses which can cope with a high quantity of items and packaging varieties as well as with frequent type changeovers or integrated cold chains. The selection and adaptation of the respective warehousing technology is performed individually for each project. Regardless of whether it is the distribution centre or the processing and operating materials warehouse: you will receive a customised solution which can be integrated in your company seamlessly.

**With SYSKRON to the smart factory**
Within the KRONES Group, SYSKRON GMBH is the specialist for automation and digital transformation. Being a comprehensive system and consultation contact, SYSKRON will create with you an intelligent factory for the future. Learn more about this under syskron.com.
The SitePilot has been exclusively developed for the beverage and food industry and translates the requirement of these fields into a holistic solution comprising:

- Manufacturing Execution System (MES)
- Process Control System (PCS)
- Warehouse Management Systems (WMS)

The software is divided in nine topic fields. One or more tailor-made solutions are allocated to each of them, each solution in turn is comprised of a range of individually selectable modules. Together, they create the complete value chain of a food or beverages business – from production to intralogistics.
Whoever wants to make high achievements, needs a healthy constitution all the way – because even the smallest weak points can reduce the performance significantly. The same goes for the beverage and food industry. Therefore, we pick each detail of our lines with the same precision or develop and manufacture it ourselves. The best example is the process components of the KRONES subsidiary EVOGUARD: The valves and pumps …

- represent the first-class KRONES quality on the component level.
- are manufactured according to strict quality criteria.
- save energy and control air.
- can be operated easily and safely during the daily routine – even without specific previous knowledge.
- guarantee absolute process safety.
- meet all valid safety guidelines.

The consumables from KIC KRONES support the line operation in addition. They are adjusted exactly to the respective production conditions ensuring a long and productive machine life. In order to be prepared for the task, the product range of KIC KRONES comprises a wide selection of different

- adhesives,
- lubricants,
- cleaning agents and
- disinfectants.

Would you like to learn more about EVOGUARD or KIC KRONES? You will find additional information about these KRONES subsidiaries and their products under evoguard.com and kic-krones.com.
Economic management, customised solutions and efficient, cost-saving and safe production – we at KRONES provide our customers with exactly the LCS products which are tailored to their needs and of course also to their machines and lines. Regardless if this concerns the perfect performance of your line, the ideal organisation of your warehouse or extensive consultation for the after-sales area: The KRONES LCS experts are always there for you and translate your targets and wishes into optimal LCS solutions.

The requirements of the KRONES Lifecycle Service are very high: We do not only want to be a service provider but also a partner who is there for the customer also after he has bought the new machine.

Just a click away
You would like to stock up on spare parts, retrofit upgrades or book a training? You can perform this comfortably online in the Krones.shop. How? Just register one time at shop.krones.com and select the item you wish from hundreds of thousands of provided ones.
The KRONES sales and service network extends all over the world. From Addis Abeba to Zagreb, we are present wherever you need us – with specialists who speak your language and who support you in any situation.

Would you like to learn more about us? Then contact us via one of the below options:

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