

Process & Storage Tanks

For the dairy industry



For more than 170 years Ziemann Holvrieka has been offering tailor-made solutions for the beverage industry. In 1852 August A. Ziemann established a coppersmith workshop.

The first brewhouse was delivered to China in 1903 – long before the beginning of the age of globalisation. Since 1947, Holvrieka has been playing a pioneering role in the development, manufacture and installation of stainless steel tanks. Nowadays you can find our solutions everywhere in the world.

The technical knowledge of our engineers paired with practical experience from countless projects makes us a strong and reliable partner. Our customers may trust in us finding the best solution for their individual needs – technically and economically.

It's our tradition of long-standing global relationships that allows us to give our customers answers they can rely on. We know the challenges to our customers and meet them with state of the art and practice-approved solutions.

Experience makes the difference

Exceeding customer's expectations

Ziemann Holvrieka provides individual and tailor-made solutions for the beer, beverage and liquid food industries from a single source. The services are offered worldwide, with the highest quality and the reliability of a global group of experts. The group of Ziemann Holvrieka companies is one of the largest international suppliers of tanks and process technology.

We are engineers, enthusiasts, consultants and enablers. Our major capacity is the fact that we know our customers business right down to the last detail. This allows us to guarantee best practice solutions. Every industry has its own standards and regulations. We produce and deliver in accordance with a range of international and local standards.

Our most important tradition is innovation. We act and think sustainably. Our customers benefit from forward-looking engineers who think outside the box.

Quality in every single step

Ziemann Holvrieka started to develop and implement a quality management system at an early stage. Transparent structures and well-organised work flows ensure the quality of work results and improve processes, products and services. Our aim always remains the same: To provide the most advanced technology, tailored to the needs and requirements of each individual customer.

The satisfaction of the customer, the qualification of staff members and the continuous improvement of products, processes and services rank first in the corporate philosophy of Ziemann Holvrieka.



Project Management: fast & flexible

Our project managers ensure the safe implementation within cost and schedule estimate. Our project monitoring and on-site coordination result in the accomplishment of all contractual requirements. Fast, flexible and powerful – this outlines our project management. Our customers can rely on solutions from one single source and short delivery times.

Engineering & Design

Every successful production plant is based on a sophisticated and customised engineering and design. Regardless of where or how big the project is - customers from all parts of the world can count on Ziemann Holvrieka as a competent and reliable partner.

Many individual parts form a functioning whole. The engineers from Ziemann Holvrieka design and plan every vessel, tank and every element of the process with regard to the specific requirements of the customer while always focusing on the cost-effectiveness of the plant.



Arla Foods

In 2014 Arla Foods built the UK's largest new dairy plants in Aylesbury. Ziemann Holvrieka was successful in winning the contract for the design, manufacture and installation of all the large tanks and vessels.

Ziemann Holvrieka safely and efficiently installed all the tanks into Arla Foods' new, architecturally modern building. This included: 16 raw milk silos, 17 finished milk silos, five pressurised milk silos, and ten cream ageing tanks. Ziemann Holvrieka met Arla Foods' high quality standards and material finish requirements through their extensive experience in designing and manufacturing hygienic vessels. Each silo featured a bottom entry agitator and cooling jacket to ensure product integrity and consistency. All tanks are designed to allow easy inspection access and cleaning.

From design to installation

Although dairy products come in numerous variations and applications, they have one thing in common: The process always requires the ultimate in process control and production resources. Ziemann Holvrieka designs, produces and delivers storage and process tanks to this challenging industry.

For the highest demands

For the dairy industry we consider it necessary to use the best stainless steel (304L / UNS S30403 and 316L / S31603). Due to smooth surfaces, rounded corners and self-draining contours our sterile tanks and vessels meet the customers' needs - and of course the hygiene directives of the European Hygienic Engineering & Design Group (EHEDG).

Shop fabricated tanks

Due to state-of-the-art production methods, our storage and process tanks feature particularly smooth surfaces. Thus Ziemann Holvrieka sets standards in the industry, which even exceed the common requirements of international industrial standards. Our tanks ensure a more reliable quality maintenance of the stored product and require less cleaning. In conjunction with our hygienic design, maximum biological safety is guaranteed. In our group of companies we have production facilities in Europe and China. All tanks are manufactured with the highest precision and are specially designed to meet the requirements of each individual project.

On-site fabrication of tanks

Sometimes tanks cannot be delivered in one piece. Reasons can be high transportation costs, physical limitations of infrastructure or logistics, etc. In such cases we can manufacture the tanks directly on site at the production plant. If this method is chosen, the individual components are prefabricated at the factory and inspected according to the regional regulations of the country of destination. Afterwards the tanks are shipped to the erection site in parts that can be easily assembled.

Our portfolio

- Storage tanks for raw milk
- Storage tanks for fresh milk
- Storage tanks for syrup
- Storage tanks for sterilised milk
- Cooling / heating
- Walkway systems
- Buffing tanks with agitator to prevent bottlenecks between processing and packaging
- The heads and bottoms can be spherical or conical

Friesland Campina

Friesland Campina has opened a new production facility for galactooligosaccharides (Vivinal GOS) in Borculo, the Netherlands. Its Vivinal GOS is used in various infant nutrition products.

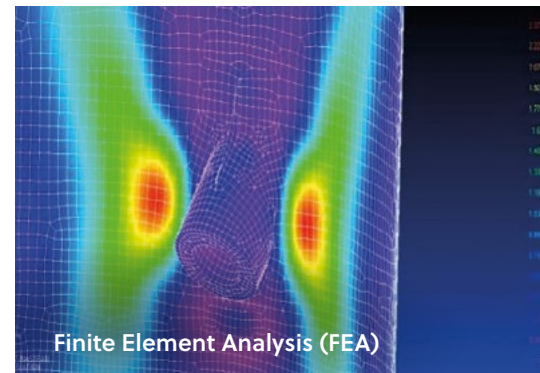
The expansion of production enables Friesland Campina to respond to the increasing worldwide demand for high-quality ingredients for use in infant nutrition.

Ziemann Holvrieka was awarded to supply seven raw milk storage tanks, six pasteurised milk tanks, four cream storage tanks, two break tanks, two condensate water tanks and a CIP water dryer tank. Furthermore we were in charge of the installation of three staircases and the full set of walkways. Most of the tanks have conical bottoms and heads and cooling panels to keep the product on a low temperature. Today, it's one of the most sophisticated dairy plants in the Netherlands.

We understand your process

From fermenting over pasteurizing, homogenization, mixing, cooling and heating up to buffering and filling – our engineers understand the requirements of your process.

We make your production plant visible far before it is built because our 3-D design lets your project look real. But furthermore we visualise what will happen inside your future production vessels: We use Finite Element Analysis (FEA) for stress calculations and safety and Computational Fluid Dynamics (CFD) to simulate the interaction. This way we ensure an optimal process.



Much more than just tanks

We support dairy producers and suppliers in issues surrounding dairy tanks and CIP systems. Our services exceed the design, production and delivery of tanks.

On request we advise on optimal tank dimensioning and configuration, embodiments, cooling or heating methods, cleaning issues and agitators and other process equipment. Ziemann Holvrieka also arranges the complete transportation and installation of tanks and additional equipment such as walkways, stairs and platforms. These services make us the most reliable partner, from design to installation of tanks for the dairy industry.

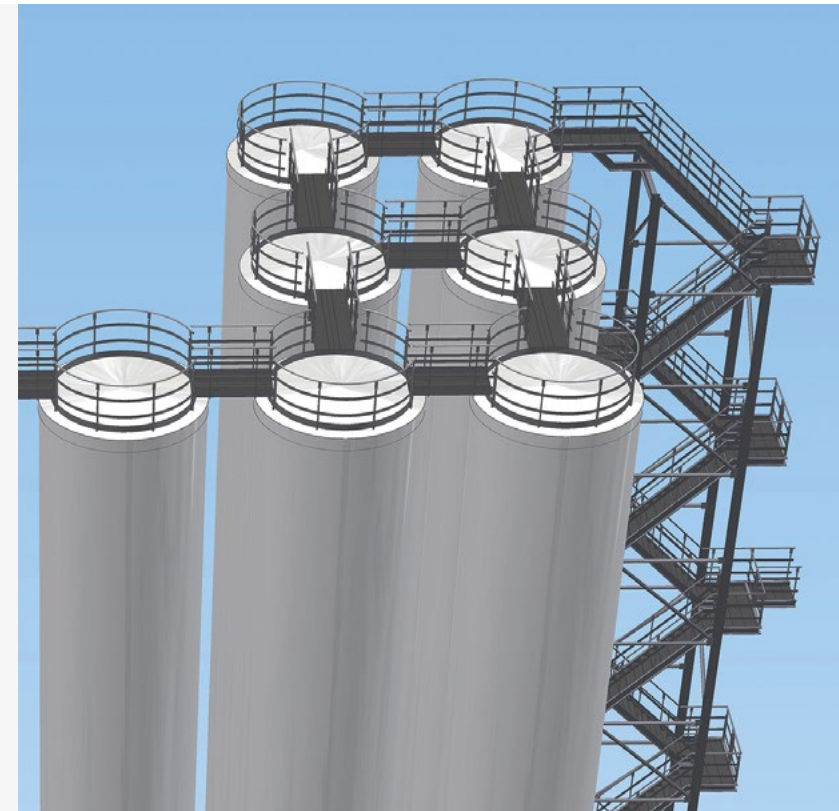
Our portfolio

Tanks with agitator

- Starter incubation tanks
- Fermentation tanks
- Yoghurt buffer tanks
- Milk recovery tanks
- Mixing tanks
- Melt tanks
- Chocolate mixer
- Aging tanks
- Semi-Product
- Stabiliser mixing

Tanks without agitator

- Reception tank
- CIP tanks (including acid, caustic and water tanks)
- Service water tanks (including hot, cold and condensate water)





Thank you for your time.

For all enquiries, please contact one of our sales team at a Ziemann Holvrieka office near you.

Scan the QR code or visit www.ziemann-holvrieka.com

