CANNING TECHNOLOGY
CENTRIFUGE TECHNOLOGY
METAL CASTINGS
MANUFACTURING
WASHING TECHNOLOGY
PRECISION
FORWARD THINKING
COMPETENCE
INNOVATION
SWISSMADE
CANNING TECHNOLOGY

Ferrum can seamers are recognized worldwide for innovative technology, client-specific solutions, and Swiss quality. Applications include the food, beverage and can making industries.

CENTRIFUGE TECHNOLOGY

With more than 75 years of experience and over 6'500 delivered centrifuges for more than 300 different applications, Ferrum Centrifuge Technology is globally one of the leading suppliers of innovative solutions for solid/liquid separation in the process industry.

FOUNDRY

Product-oriented, customized solutions for complex casting applications in combination with a trend-setting range of services are indispensable in modern machine and plant construction. From a single source – from the idea to the installed casting.

MANUFACTURING

The name Ferrum stands for absolute precision work in manufacturing – be it drilling, turning, milling or grinding, from the smallest to the largest size, simple or alloyed materials, machining of parts, sophisticated welding designs or processing of high-quality materials.
There are many good reasons why the name Ferrum has been synonymous with peak performance over several decades, and in diverse markets. The accumulation of experience by our staff over many years, the comprehensive expertise, the pioneering of new technologies and the constant drive to innovate are only a few of these. Our diverse product range, the activities on all continents, and all contribute in positioning Ferrum Ltd. for continued success in the future, a high degree of self-financing as well as economic independence.

Over 400 staff worldwide are committed to Ferrum. The company that was founded in 1917 has its own facilities in Rupperswil and Schafisheim/Switzerland, Houston/USA and Mumbai/India.

**WASHING TECHNOLOGY**

An all-round perfect solution in commercial washing technology. Ferrum provides high-quality package solutions, from project management to commissioning in the field of vehicle washing systems and for textile cleaning and logistics.

**SWISS PRECISION**

This is evident in both our production and assembly works in central Switzerland. Our Worldwide market presence as well as continuous education and training at all levels secure market-driven innovation with the constant emphasis on precision and product quality.
Ferrum Ltd. was founded in Rupperswil in the Swiss canton of Aargau in 1917. The main activity of the new company was, in addition to the foundry, the manufacturing of machines and equipment for the food and canning industry.

400 employees dedicate themselves to Ferrum Ltd. and its’ clients with their motivation, commitment, know-how and experience.

60 agents in other countries ensure that Ferrum is always close to the client – worldwide:

- Europe: 29
- Asia: 18
- North America: 3
- South America: 6
- Africa: 2
- Oceania: 2

4 facilities on three continents form the crux of Ferrum’s global presence.
10,000 Castings in the Ferrum foundry weighing 10,000 kg are no more of a problem than those weighing just a few grams.

800,000,000 Kilograms of salt are processed by a single, large Ferrum centrifuge in one year. That meets the daily need of 480 million people.

40 A single Ferrum can seamer seals 40 beverage cans per second. That is a daily output of 3.45 million cans.
Ferrum has been a worldwide manufacturer of can seamers for the beverage, food and can manufacturing industries for over 90 years. The sealing of cans of all types is one of the core competencies. The more than 1,500 can seamers sold, meet and exceed the product-specific challenges of the complex and ever changing packaging industry and, with up to 150,000 sealed beverage cans per hour, are perform at consistently high levels.

The constant striving for innovation and the conviction that even something good can be improved on, reflects the Ferrum philosophy and is actively implemented in joint development work with clients, partners and universities. A 24-hour hotline, a worldwide network of service points, representatives and more than 40 service technicians round out the Ferrum service package. Ferrum's successful market position is largely the result of the decades of experience present in every can seamer, every new development, every consultation, and every sealed can. Our experience is your benefit.

What Ferrum provides
- Can seamers for the beverage, food and can manufacturing industries (output: 50 to 2'500 sealed cans per minute)
- Vacuum seamers for wet and dry products such as sweet corn, powdered milk and coffee (output: 20 to 600 sealed cans per minute)
- Professional and practical support
- 24-hour reachability
- High availability of spare parts
The separation of solids from liquids requires proven technology. Companies in the chemical, pharmaceutical, agricultural and food industries have placed their trust in Ferrum centrifuges for decades. Ferrum provides efficient and innovative custom designed solutions, made-in-Switzerland. Whether for a kilogram scale laboratory for the development of a new active ingredient, or for high-through-put with over 85 t/h (dry) capacity in the agricultural industry, Ferrum has a suitable centrifuge.

From a pure machine manufacturer, Ferrum has developed to a competent supplier of centrifuge technology. For every project and every service, our clients can count on the knowledge and the experience gained from more than 300 applications and the construction of more than 6'500 machines.

What Ferrum provides | Pusher centrifuges | Vertical scraper centrifuges | Horizontal chemical scraper centrifuges | Horizontal pharmaceutical scraper centrifuges | Drive and control systems | Inertisation systems Inerto-Safe® SIL 2 & ATEX | Overhauled used centrifuges
In the foundry, qualified specialists produce technically sophisticated and complex castings – from the initial design to the simulation, and from making the model to the ready-to-install component. The wide spectrum of cast products includes anything from the 100-gram light lever to the 10-ton machine bed, elegant lightweight parts in high-strength ductile materials and components in the usual standard-alloy materials. Everything is possible, from individual parts in small batches in the hand moulding shop, up to machine-moulded series of a thousand. After all, Ferrum’s strength lies in its diversity.

The foundry at Ferrum Ltd. is the oldest business unit in the company. It is also one of the most modern producers of grey and nodular iron castings. Castings from Ferrum are widely used in diesel locomotives, railway bogies, turbo-chargers, centrifuges, construction machinery, printing machines, electrical systems, in general machine construction and in all cases where cast construction parts are normally used. If required, unmachined castings can be supplied or, if the client wishes, we can provide ready-machined, pre-assembled modules are delivered directly to the lean assembly.

**What Ferrum provides** | Engineering, design consultancy and simulation | Grey and nodular iron castings, machined and ready-to-install | Single parts and thousand-series | Castings up to 10 tons in weight | Heat treatment | Corrosion protection | Finishing | Modelling facilities using plastic, wood or metal
Whether it is precise components for fast-running can seamer plants or massive castings for our centrifuges, sophisticated processing of parts from our foundry or the welded structures in high-strength, corrosion-resistant materials for use in the food industry – our Manufacturing business unit produces these components as desired by our clients for the most diverse applications: permanent, precise, robust and corrosion resistant.

The needs of our clients are varied; each makes very detailed, special demands on Ferrum. Our designers prepare systems and components for you according to your specifications, and our production converts the ideas of our engineers into functioning components and modules within a short space of time.

**What Ferrum provides** | Efficient production of high-strength, corrosion-resistant materials | Clean, precise processing of components from 100 grams to 10 tons | Sophisticated welded designs – with certificates (FDA), if desired
Be it a car, truck, bus or rail vehicle, whether self-service, gantry vehicle wash or automatic vehicle wash – every solution in the Washing Technology business unit at Ferrum is literally a clean piece of work. Not only are vehicles cleaned using Ferrum systems, but textiles are also part of the business. Numerous hotels and hospitals, as well as the army and central laundries are supplied with the flexible, high-performance Ferrum textile washing systems. The range of services provided, in addition to the actual system hardware, includes the entire project planning and implementation. Ferrum is always present for its clients, from the requirements clarification, via the development and implementation of the solutions, through to competent service and customer care. Faultless workmanship, reliability in keeping to budgets and deadlines and best quality are not just a promise, they are a matter of course.

**What Ferrum provides** | Vehicle wash systems for cars, commercial vehicles and rail vehicles | Self-service washing facilities | Solutions for water treatment | Complete outfitting of small and large laundries | Fully automatic clothing management and issuing systems for work clothing | Consultancy | Engineering | Service | Customer service
The Ferrum Company has grown organically, utilising diversification as a successful core strategy. Even in economically difficult times, the model with activities in very different business fields has proven successful and secured Ferrum’s future prospects.

The success story of Ferrum began in 1917. A small workshop with iron foundry in Rupperswil started with the production of filling, seaming and pitting machines for the canning industry. The constant optimisation of the range of products and services and the resulting adaptation of the infrastructure to the latest requirements were, and are, central principles of the company that has been in the hands of the current shareholder family since 1923.

In this way, Ferrum has time and again launched new product ideas with great innovative strength, from which the current range has developed. In the 1930’s it was washing and ironing machines for large laundries as well as washing and chemical centrifuges, in the 1960’s it was car washes. In all of these, the precise analysis of the markets according to specific requirements and their implementation in reliable and economic products and services has remained the basis of success for Ferrum up to this day.

Constant modernisation and large expansion phases have kept the infrastructure continuously up to date. Today, Ferrum is active worldwide, has the most modern production and assembly facilities, runs one of the most environmentally friendly foundries in the country and guarantees outstanding working conditions to all its employees. The company is well prepared for future challenges by combining market driven products and services with intensive customer centric research and development as well as synergetic cooperation with institutes of higher education and key clients.

**Ferrum Life Cycle** | Continuous consultancy and support services for clients | Planning and implementation | Development cooperation | Production processes including education, training, technical support etc. | Conservation processes such as value retention and maintaining performance | Optimisation processes for performance enhancement and the integration of new knowledge and technologies
A look at the production workshop of 1917. Conspicuous are the drive shafts and belts, the main drive for the machines at that time.

Shortly after the founding of the company, a new moulding shop and machine shop were built. A larger extension to the foundry followed in 1928.

In 1963, the first car wash plant without a travel drive came on the market. The washing equipment was pushed back and forth by hand.
For the better part of a century, Ferrum’s successes have largely been shaped by innovations. With our own development and design teams, we develop market-oriented applications and test them in our own laboratories for their suitability as practical solutions. The development teams work closely with key clients, universities, colleges and research institutes.

For OEM or end clients, we are in a position to develop customised, client-specific solutions and convert these in our factories into practical machines – be it a simple modification to a standard solution or complex special developments.

Ferrum product specialists and sales engineers discuss and identify the opportunities directly with the client on his premises. In house Engineering experts in various processes and process technologies develop suggestions for solving the problems and discuss these in detail with the client. Development tools, modern well-equipped laboratories and in-house manufacturing, support the process for transforming the idea into a final product – on time and meeting the objectives.

Ferrum strives to keep a competitive edge as one of the technology leaders and provide sustainable, worldwide support for the processes of our broad client platform with innovations in various industrial segments.

The implementation process is supported by ferruLean – Ferrum’s integrated Lean Management – at all stages of the process.
Ferrum is committed to providing future generations with intact and quality environment by continuously providing environmentally responsible solutions that efficiently utilise natural resources.

Innovative engineering and processes from Ferrum are in line with the principles of foresight and sustainability. We prefer long-term effective and economically sensible measures that benefit the environment, rather than those providing only short-term advantages. With mature products, Ferrum also supports clients in conserving resources, preventing or reducing emissions and so protecting the environment.

+ Together with our clients, Ferrum is developing products and processes that are optimised both economically and ecologically over their entire life cycle.
+ Environmental compatibility of production processes is always up to date.
+ Ferrum reduces the environmental effects of activities – continuously above and beyond those required by legislation.
+ Ferrum educates and motivates its employees at all company levels to take their responsibilities seriously in environmental thinking and acting.
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