**GEA at a glance**

<table>
<thead>
<tr>
<th>Order intake</th>
<th>Revenue</th>
<th>EBITDA before restructuring expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,679 EUR million</td>
<td>5,165 EUR million</td>
<td>712 EUR million</td>
</tr>
</tbody>
</table>

**Previous year:**
- Order intake: EUR 5,222 million
- Revenue: EUR 4,703 million
- EBITDA before restructuring expenses: EUR 625 million

**EBITDA margin before restructuring expenses**

- 13.8 percent of revenue (Previous year: 13.3 percent)

**Dividend**

- 0.95 EUR per share (Previous year: EUR 0.90)

**Employees**

- 18,236 full-time equivalents (Previous year: 18,143)

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GEA is one of the world’s largest suppliers of systems and components to the food, beverage and pharmaceutical industries. The international technology group, founded in 1881, focuses on machinery and plants, as well as advanced process technology, components and comprehensive services.

GEA is listed in the German MDAX, the STOXX® Europe 600 Index and is among the companies comprising the DAX 50 ESG, the MSCI Global Sustainability and the Dow Jones Sustainability Europe Indices.

All figures are from fiscal year 2022.
Our purpose

Engineering for a better world.
Our vision

We safeguard future generations by providing sustainable solutions for the nutrition and pharmaceutical industries.
Our strategy

**Purpose**
Engineering for a better world.

**Vision**
We safeguard future generations by providing sustainable solutions for the nutrition and pharmaceutical industries.

### Profitable growth

- **Organic Sales CAGR**: 4-6%
- **EBITDA margin**: > 15%
- **ROCE**: > 30%

### Ambitious financial targets

### Sustainability

### Innovation & Digitalization

### New Food

### Sales Excellence

### Service Excellence

### Operational Excellence

### Acquisitions

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1 Currency and portfolio adjusted
2 Before restructuring expenses; based on constant exchange rates
3 Capital employed excluding EUR ~800m goodwill from the acquisition of the former GEA AG by former Metallgesellschaft AG in 1999 (average of the last 4 quarters)
Our sustainability approach

Engineering for a better world.

NET ZERO by 2040

Sustainable Solutions
- Reduce greenhouse gas emissions scope 3 by 18% by 2030
- 100% of solutions will be offered with zero freshwater-use by 2030
- 100% of packaging-related solutions use sustainable packaging materials by 2030
- 100% of service parts and machinery packaging material to fulfill one of the five R's of circular economy (Reduce; Re-use; Repair; Remanufacture; Recycle) by 2026

Responsible Operations
- Reduce greenhouse gas emissions scope 1 & 2 by 60% by 2030
- 50% of total energy demand is covered by certified energy management system by 2026
- All sites in water-stressed areas that implemented a water strategy by 2026
- >95% of waste recovery rate at production sites by 2026
- 100% of preferred suppliers fulfill GEA’s sustainability criteria by 2026
- 100,000 people reached through skill-based volunteering in 2026
- Donation of 1% of net profit per year

Employer of Choice
- 80% favorable rating on the question: “Would you recommend GEA as a good place to work?” in internal employee engagement survey by 2026
- 21% female representation in management levels L1 – L3 by 2026
- 80% of open positions filled by own talent across management levels L1 – L7 by 2026
- Building a diverse talent pool to further strengthen diversity on all management levels by 2026
Key trends

Important global megatrends are propelling our technologies & underlying markets

- Demand for New Food
- Growing middle class
- Growing world population
- Urbanization
- Sustainable solutions
- Essential & affordable medicines
- Food safety & quality

GEA
Our applications put consumers in touch with GEA every day

Food
- Approx. every third chicken nugget is produced using GEA technology
- Approx. every third process line for instant coffee was installed by GEA

Pharma & healthcare
- Roughly every fourth liter of human blood for making plasma-derived products is processed using GEA equipment

Chemical
- More than one third of all polymer producers are using GEA drying technology

Dairy farming & processing
- Roughly one quarter of processed milk comes from GEA production systems

Environment
- Approx. two million tons of pollutants are averted annually thanks to GEA emission control plants

Heating & refrigeration
- Each industry we serve utilizes industrial heating and refrigeration technology from GEA

Beverage
- Roughly every second liter of beer is brewed with the aid of systems and process solutions from GEA

Marine
- Roughly every second container ship in the world sails with GEA marine equipment on board

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Innovative solutions

- **Patent-pending heat pump system** draws energy from plant processes to generate hot air for spray drying
- **Powered by electricity,** drives both high-temperature heating and low-temperature cooling for other processes
- **Can be retrofitted,** reduces carbon dioxide emissions and energy consumption by up to 50% without affecting output quality

**GEA AddCool®**
- drastically reduces CO₂ emissions from spray drying

**GEA Mobile Test Center**
- enables testing and scaling of alternative proteins
- **Supports proof-of-concept and scaling of cellular agricultural foods and components**
- Combines eight GEA food-grade solutions: fermentation tank/bioreactor; high-shear mixing and UHT treatment platforms; homogenization, separation and membrane filtration systems
- Mobile and modular, can be purchased, rented onsite or used at a GEA facility

**GEA Dairyfeed F4500**
- robotic feeder minimizes waste, maximizes efficiency
- **Automates feeding with focus on precise nutrition and optimal milk production**
- Sensors select ideal routes for feed distribution, ensure safe movement between barns
- Analyzes feed consumption and leftovers to minimize waste
- Integrate with GEA DairyNet to synchronize and optimize feeding-, milk yield- and quality data

**GEA NexGen Press®**
- one tablet press, multiple applications
- **Accommodates high and low potency active ingredients**
- Modularity facilitates machine selection and quick product changeovers
- Compatible with wash-offline and wet-in-place
- Energy-efficient motor and minimized water usage during wash cycles
- Configure-to-order with improved cost structure, Industry 4.0 ready
GEA Service

We serve the entire life cycle in order to have continuous touchpoints to our customers.

We ensure our customers’ **continued business success** by building, maintaining, optimizing and adapting their production equipment and processes to meet their specific ongoing needs.
Strong local presence around the globe

- **North America**: 1,107 EUR million, 1,694 employees
- **Latin America**: 319 EUR million, 621 employees
- **Western Europe, Middle East & Africa**: 797 EUR million, 2,716 employees
- **North & Central Europe**: 731 EUR million, 3,173 employees
- **DACH & Eastern Europe**: 975 EUR million, 6,984 employees
- **Asia Pacific**: 1,236 EUR million, 3,049 employees

- - = Revenue
- - = Employees (FTEs)
Our values

GEA values provide the foundation for all our business activities. They are an important red thread connecting our global workforce across geography and cultures.
Our organization

GEA is divided into five divisions, each with up to six business units. The units are based on comparable technologies and have leading market positions.

The country organizations stand ready to serve their respective customers as a central point of contact, offering them local access to an extensive portfolio of products and services.
Bernd Brinker, CFO
Bernd Brinker joined the Executive Board as CFO in October 2023. In addition to the Group’s finance functions, the five division CFOs, as well as Investor Relations, M&A, business process management and global IT also report to him.

Stefan Klebert, CEO
Stefan Klebert took the helm of the Group in February 2019 and is the direct reporting line for the CEOs of the five operating divisions and the four CEOs of the regions. Several central functions also report to Stefan Klebert, and he serves as the Group Labor Relations Director.

Johannes Giloth, COO
Johannes Giloth became a member of the Executive Board in early 2020. He is responsible for worldwide procurement, production as well as supply chain and QHSE.
Company milestones

1881
Founding of Metallgesellschaft AG, a metals trading company

1920
Founding of GEA (Gesellschaft für Entstaubungs-Anlagen mbH) in Bochum

1999
Metallgesellschaft acquires GEA

2007-2019
Intensified focus on food & beverage acquisitions

2005
Name of parent company changed to GEA Group Aktiengesellschaft

2020
Implementation of new technology-based group structure embracing 5 divisions

2021
Net-zero target for 2040 set; release of Mission 26 corporate strategy
Share information

<table>
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<tr>
<th>Securities identification number</th>
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</tr>
<tr>
<td>Segment</td>
<td>Prime-Standard</td>
</tr>
<tr>
<td>Stock exchanges</td>
<td>Xetra, Frankfurt, Stuttgart, Munich, Düsseldorf, Berlin, Hamburg, Hannover</td>
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<tr>
<td>Information on stock</td>
<td>Reuters: G1AG.DE; Bloomberg: G1A:GR; Xetra: G1A.DE</td>
</tr>
<tr>
<td>Shares issued</td>
<td>180.5 million (October 31, 2023)</td>
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<tr>
<td>Market capitalization</td>
<td>5.8 billion (October 31, 2023)</td>
</tr>
</tbody>
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OUR DIVISIONS
Separation & Flow Technologies Division

World-class components and equipment for production excellence

Separators . Homogenizers . Valves & Pumps

Separation & Flow Technologies encompass process engineering components and machines, including separators, decanters, homogenizers, valves and pumps. These technologies are at the heart of many production processes.

Our solutions contribute to a cleaner environment in numerous industrial applications. They also ensure the efficient separation and homogenization of liquids used in the production of foods, beverages, medicines and home & personal care products that consumers enjoy and rely on. GEA pumps and valves guarantee that raw materials and products move safely and efficiently through plants.

Revenue

<table>
<thead>
<tr>
<th></th>
<th>EUR million</th>
<th>Previous year: EUR million</th>
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<tbody>
<tr>
<td>Revenue</td>
<td>1,416</td>
<td>1,237</td>
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EBITDA before restructuring expenses

<table>
<thead>
<tr>
<th></th>
<th>EUR million</th>
<th>Previous year: EUR million</th>
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</thead>
<tbody>
<tr>
<td>EBITDA</td>
<td>360</td>
<td>303</td>
</tr>
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</table>

EBITDA margin before restructuring expenses

<table>
<thead>
<tr>
<th></th>
<th>percent</th>
<th>Previous year: percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBITDA margin</td>
<td>25.4</td>
<td>24.5</td>
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</table>

Employees

<table>
<thead>
<tr>
<th></th>
<th>Full-time equivalents</th>
<th>Previous year: Full-time equivalents</th>
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</thead>
<tbody>
<tr>
<td>Employees</td>
<td>4,907</td>
<td>4,860</td>
</tr>
</tbody>
</table>
Separation & Flow Technologies Division

Separators
GEA separators and decanters are used in thousands of applications by nearly every industry. This includes dairy processing, food & beverage, marine, oil & gas, power, chemical, pharma, farming and in water and wastewater management.

Homogenizers
With our high-pressure homogenizers manufacturers can micronize and standardize individual particles, ensuring product stabilization and long shelf life. These properties are key to many of today's health and personal care products and also contribute to the quality of diverse processed foods and beverages.

Valves & Pumps
To ensure smooth production processes in the treatment of liquid products, GEA offers a comprehensive range of valves for all hygienic classes, as well as hygienic pumps and cleaning technology. Their individual modular design guarantees efficiency, safety and reliability.
Liquid & Powder Technologies Division
Specialists in processing equipment and integrated solutions


Liquid & Powder Technologies provide processing equipment and integrated solutions for the dairy, food, new food, beverage, chemical and home & personal care industries. The portfolio includes brewing systems, liquid processing & filling, concentration, precision fermentation, crystallization, purification, drying, powder handling & packaging as well as systems for emission control.

GEA designs, builds, configures and installs versatile and sustainable equipment and technologies, processing lines and complete plants, for products as diverse as cell-based protein and polymers.

<table>
<thead>
<tr>
<th>Revenue</th>
<th>EBITDA before restructuring expenses</th>
<th>EBITDA margin before restructuring expenses</th>
<th>Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,716 EUR million</td>
<td>166 EUR million</td>
<td>9.7 percent</td>
<td>5,404</td>
</tr>
<tr>
<td>Previous year: EUR 1,546 million</td>
<td>Previous year: EUR 150 million</td>
<td>Previous year: 9.7 percent</td>
<td></td>
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</tbody>
</table>
GEA liquid process and filling technologies solutions are used for a variety of dairy, food, beverage (alcoholic and non-alcoholic) and new food applications. Providing the highest degree of hygiene and production safety, these cover key processes such as mixing, membrane filtration, aseptic technologies, brewhouse, cold block and beverage processing lines as well as aseptic, hygienic and ESL filling technologies.

Our process solutions for thermal separation, crystallization, drying and powder handling & packing are used in a wide range of dairy, food & beverage and chemical applications. This includes nutritional formula, food ingredients, instant coffee, polymers, minerals, agrochemicals and fine & specialty chemicals. Emissions treatment and carbon capture are challenges in industrial pollution control where our solutions are often in demand.

GEA helps startups, ingredient suppliers and food manufacturers develop, scale-up and produce new alternative protein foods and ingredients through traditional processing, precision fermentation and cell-culture technologies. Customers producing plant-based foods and beverages, cell-based meat, precision fermented proteins and other novel foods may choose from complete lines to individual solutions. These cover key processes such as mixing, cultivation, fermentation, downstream separation and filtration, packaging and bottling.
Food & Healthcare Technologies Division
Safe foods and medicines for a growing population


Food & Healthcare Technologies provide solutions for food processing. This covers preparation, marinating and further processing of meat, poultry, seafood and vegan products, in addition to processing lines for pasta, baked goods, snacks, breakfast cereals, confectionery and pet food. GEA also offers spiral- and tunnel freezers, as well as equipment for slicing and packaging of food and milling.

GEA solutions for the pharmaceutical industry include machines and plants for processing solid dosage forms, including highly potent drugs for batch or continuous production. This portfolio also includes freeze-drying technology for liquids, such as vaccines.

Revenue

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>EBITDA before restructuring expenses</td>
<td>EBITDA margin before restructuring expenses</td>
<td>Employees</td>
</tr>
<tr>
<td>1,001</td>
<td>107</td>
<td>10.7</td>
<td>3,571</td>
</tr>
<tr>
<td>EUR million</td>
<td>EUR million</td>
<td>percent</td>
<td>Full-time equivalents</td>
</tr>
<tr>
<td>Previous year: EUR 937 million</td>
<td>Previous year: EUR 100 million</td>
<td>Previous year: 10.7 percent</td>
<td>Previous year: 3,577</td>
</tr>
</tbody>
</table>
Food & Healthcare Technologies Division

Pasta, Extrusion & Milling

Our solutions include fully automated processing lines for dry and fresh pasta, extruded snacks, breakfast cereals and dry petfood. GEA also produces dies and packaging systems, as well as designs, manufactures and installs individual cereal milling machines and plants. As a result of extensive research and testing in the field of extrusion, we have developed cutting-edge solutions for the industrial production of innovative food products, with a particular focus on consumer health and sustainability.

Bakery

GEA bakery capabilities range from single equipment components to integrated production lines for cakes, pies, tarts, biscuits, cookies, crackers, layer cakes, pizzas and snacks. Energy-efficient tunnel ovens, depositors, dough forming systems and filling injectors make up this portfolio.

Slicing & Packaging

Our slicing & packaging portfolio includes slicing and loading systems, vertical packaging equipment and thermoforming systems. Our machines are designed to meet the highest uptime requirements and bring automation and ease-of-use benefits, while meeting all hygienic standards to ensure product safety. We continue to innovate, offering more sustainable packaging and solutions for improved MAP testing to ensure food quality and reduce waste.
Food & Healthcare Technologies Division

Food Solutions

Our portfolio encompasses preparation and further processing equipment, including single machines and complete automated lines. We offer solutions for defrosting, cutting & grinding, mixing, forming, marinating, coating, cooking, steaming, in-line smoking and frying. GEA technology can be used for processing poultry, meat, seafood, vegetarian and vegan products, including plant-based and other alternative protein foods.

Frozen Food

GEA freezers provide consumers with high-quality products with an extended shelf life. Our portfolio consists of spiral, tunnel and carton freezers. Combined with our award-winning freezer control sensor technology, manufacturers can ensure accurate and consistent product quality while reducing their energy costs.

Pharma & Healthcare

We offer sustainable engineering solutions, along with a comprehensive suite of virtual reality project management tools to customers in the life science community. Our robust, flexible and cost-effective pharmaceutical manufacturing equipment and fully integrated process lines embrace digitalization, modularization and holistic product innovation, maximizing operational reliability and productivity.
Farm Technologies Division

Next generation farming


Farm Technologies offer integrated customer solutions for efficient and sustainable high-quality milk production and livestock farming. This includes automatic milking and feeding systems, conventional milking solutions and digital herd management. GEA manure management solutions ensure operators have the right tools for the safe storage, application and upcycling of this important resource.

All solutions are served and fully embedded into our service lifecycle. They are complemented by a wide range of hygiene products and chemicals to promote optimum udder health and superior milk quality.

<table>
<thead>
<tr>
<th>Revenue</th>
<th>EBITDA before restructuring expenses</th>
<th>EBITDA margin before restructuring expenses</th>
<th>Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>742 EUR million</td>
<td>86 EUR million</td>
<td>11.6 percent</td>
<td>1,909 Full-time equivalents</td>
</tr>
<tr>
<td>Previous year: EUR 634 million</td>
<td>Previous year: EUR 76 million</td>
<td>Previous year: 12.0 percent</td>
<td>Previous year: 1,865</td>
</tr>
</tbody>
</table>
Farm Technologies Division

**Milking**

GEA offers a broad range of automated milking solutions, from single- and multi-box to fully automated rotary parlor systems as well as conventional rotary and group milking parlors. With its innovative sensor technology and software, GEA raises the bar in milking production while increasing animal-welfare, farmer flexibility and the sustainable use of resources.

**Feeding**

Efficient feeding is key to achieving good milk performance in dairy herds. GEA offers the latest, all-electric robotic feeding technology to ensure cows get the right mix at the right time, improving efficiency and freshness. This enables farmers more flexibility in their daily routines as well as precise control over their feeding strategy.

**Manure**

GEA is a global leader in manure management, providing a comprehensive line of equipment to effectively handle manure inside and outside the barn. Our portfolio includes barn cleaning, electric and power take-off pumps and agitators, loading equipment, liquid manure spreaders, manure application devices and separators. Our innovative manure processing technology enables customers to produce their own sustainable fertilizer while bringing down emissions.
Digital herd management

Simple to use, with consistently updated functions: GEA herd and farm management with digital technology offers powerful functions for monitoring and managing cow health and operational procedures efficiently. Dairy farmers can access data through their own digital devices – anytime and anywhere.

Hygiene & Service

With a strong, global dealer network and certified service partners, GEA provides comprehensive service support for milking parlors of all sizes, from installation and throughout the entire life cycle. Our servicing programs ensure animal welfare and that milking operations are sustainable, efficient and productive.
Heating & Refrigeration Technologies Division

Industrial heating and cooling solutions for climate-friendly production processes


Heating & Refrigeration Technologies combine extensive production process knowledge and integrated heating and cooling expertise. It provides sustainable, energy-saving solutions for customers in the food, beverage and other key industries. All offerings are supported by comprehensive digital and service platforms.

GEA plays an important role in the decarbonization of production processes, cities and other market activities. Via a sustainable engineering solutions platform, which includes a comprehensive portfolio of heat pumps, GEA delivers the precise temperatures critical to the customer’s operation. These proven technologies provide integrated, high-efficiency solutions that significantly reduce CO₂ emissions and energy costs.

<table>
<thead>
<tr>
<th>Revenue</th>
<th>EBITDA before restructuring expenses</th>
<th>EBITDA margin before restructuring expenses</th>
<th>Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>524 EUR million</td>
<td>57 EUR million</td>
<td>10.9 percent</td>
<td>1,716 Full-time equivalents</td>
</tr>
<tr>
<td>Previous year: EUR 584 million</td>
<td>Previous year: EUR 59 million</td>
<td>Previous year: 10.2 percent</td>
<td>Previous year: 2,091</td>
</tr>
</tbody>
</table>
Components
GEA offers a diverse component portfolio for industrial refrigeration and heating with a full range of reciprocating and screw compressors, compressor packages, chillers, heat pumps, controls and valves.

Skids
GEA offers standard as well as customized systems, built on skids, for ease of transport and installation. The portfolio includes a wide range of compressor, chiller and heat pump systems, with each designed to meet precise temperature and capacity requirements.

Solutions
We have decades of experience in complete plant cooling and heating installations. We help customers identify optimum refrigeration and heating solutions to meet their present and future sustainability-related goals. This is achieved by designing and implementing customized solutions based on a holistic plant energy analysis of existing as well as any planned processes. As a result, customers significantly reduce their energy costs and carbon footprint.