

GROUP PROFILE

FREUDENBERG GROUP

2023

THE FREUDENBERG GROUP

Freudenberg in 2023 is an agile and flexible global technology company, with a scientifically based standard of progress.

Together with its partners, customers and research institutions, the eleven Freudenberg Business Groups develop leading-edge technologies, and excellent products and services for more than 40 markets and thousands of applications: seals, batteries, fuel cells, vibration control components, technical textiles, filters, cleaning technologies and products, specialty chemicals and medical products.

Across the globe, the Freudenberg Group's products and services make a valuable contribution to customer success - often invisible but always essential.

Without Freudenberg, indoor air would not be as clean, cars would not drive, suits would not sit properly and wounds would not heal as quickly. Freudenberg's goal is to offer customers and end-consumers excellent high technology and innovative products, and services in the passenger vehicle and commercial vehicle industries, me-

chanical and plant engineering, textile and apparel, construction, mining and heavy industry, energy, chemical, and the oil and gas sectors. Customers also include companies in the medical technology, civil aviation and rail vehicle sectors.

Innovation, strong customer focus, close cooperation, as well as diversity and team spirit are the cornerstones of the Group. Commitment to excellence, reliability and proactive, responsible action have been part of the company's core values as practiced for more than 170 years.

Basic values and business interests are no contradiction at Freudenberg, especially when it comes to sustainability. Our commitment to climate protection makes sound business sense and expresses the responsibility that we feel towards others and the environment.

ORGANIZATION

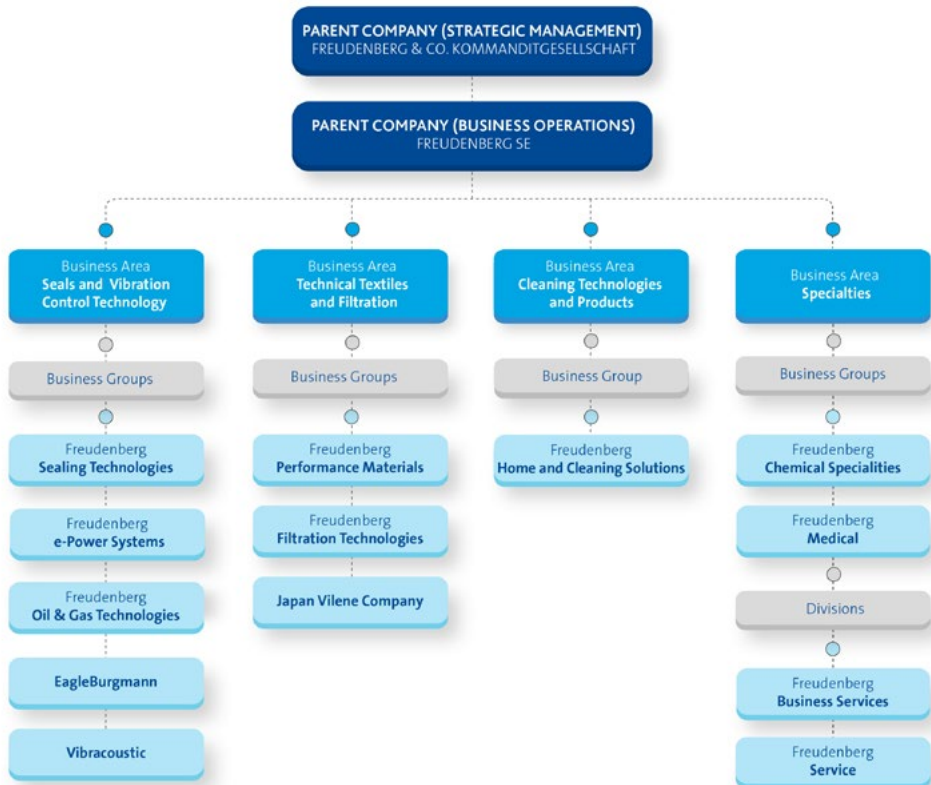
Freudenberg is an enterprise of entrepreneurs. The operations are run by independent companies whose management acts independently. The individual companies are part of Business Groups.

Freudenberg has two parent companies: Freudenberg & Co. Kommanditgesellschaft (Freudenberg & Co. KG), Weinheim, Germany, is the strategic parent company; Freudenberg SE, Weinheim, Germany, is the parent company responsible for managing business operations.

The Freudenberg & Co. KG corporate bodies are the Management Board, the

Board of Partners and the General Meeting. The corporate bodies at Freudenberg SE are the Board of Management, the Supervisory Board and the Shareholder's Meeting. The Management Board of Freudenberg & Co. KG and the Board of Management of Freudenberg SE have the same members, which is also true of the Board of Partners of Freudenberg & Co. KG and the Supervisory Board of Freudenberg SE.

Freudenberg is a family-owned company and currently owned by some 350 heirs to the founding father Carl Johann Freudenberg.



TECHNOLOGY AND DEVELOPMENT PARTNER

MOBILITY AND TRANSPORT

Whether by road, water, rail or air: Freudenberg technology helps motors and other parts work reliably. We use sealing, vibration control or filtration technology, battery and fuel cell technology, technical textiles, durable bearings, specialty chemicals or surface treatment and galvanization technology to make mobility and transport around the world safer, more efficient and more comfortable.

INDUSTRY AND PRODUCTION

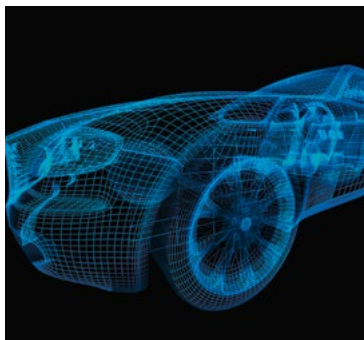
The competitiveness of industrial companies depends on the smoothest and most efficient production possible.

Reliable and tailored Freudenberg components help ensure long-term productivity and quality - whether for seals, filters, release agents, specialty lubricants or technical textiles.

Our products are found in almost all industries, production processes and systems.

ENERGY AND RESOURCES

Fossil fuel exploration and transport is extremely challenging. The expansion of renewable energy calls for innovative applications. Freudenberg contributes to improved functional reliability, operating lives and the best possible environmental protection throughout the energy industry.



IN MANY INDUSTRIES

Our product range includes gas-lubricated mechanical seals in pipelines, complete filtration systems for power plants and seals for electrolyzers.

process confectionery along with other food types. Efficient drinking water treatment often uses Freudenberg technology.

HEALTHCARE AND FOOD PROCESSING INDUSTRY

Strict hygiene standards must be met for healthcare products and food processing. The high material competency and process reliability make Freudenberg a sought-after partner for customers in the medical technology, pharmaceutical and food processing industries.

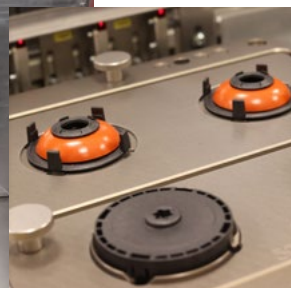
Our medical innovations simplify surgical interventions and improve wound treatment. In the food industry, we help

HOUSEHOLD AND TEXTILES

Even everyday products are based on sophisticated technology. Freudenberg's innovation strength can be found in microfiber cloths or electric cleaning products. Our functional technical textiles allow for comfortable sofas, well-fitted textiles and mite-free bedding.

They are also used to manufacture shoes and leather goods, or protective clothing. The filter applications also help keep interior air clean.





Seals for e-mobility

FREUDENBERG SEALING TECHNOLOGIES

PRODUCTS / SERVICES

Simmerrings, membranes, bellows, dust caps, hydraulic accumulators, O rings, hydraulic and pneumatic seals; sealing packages for motors, transmissions, brakes and steering systems; rubber and PTFE components for vehicle suspensions, pouch-cell frame seals, gaskets for batteries, profile to gasket (P2G), 2K housings, fuel cell seals, Plug&Seal, micro seals, seals for medical technology, profile seals for wind turbines, thermal interface materials, seals for pharmaceutical as well as food & beverage

Freudenberg Sealing Technologies is a longstanding technology expert and global market leader for demanding and novel applications in numerous diverse industries, especially in electro-mobility.

The company's unique materials and technology expertise make it a proven supplier for demanding products and applications, and a development and service partner to customers in the automotive industries and in general industries.

Corteco is a specialist for the independent automotive spare parts market.

Freudenberg Sealing Technologies
Höhnerweg 2–4
69469 Weinheim
Germany
Phone: +49 6201 960 66 66
Email: info@fst.com
www.fst.com

SALES [in million euros]

2,455.5

EMPLOYEES

13,384



Battery pack



FREUDENBERG E-POWER SYSTEMS

Freudenberg e-Power Systems is a leading global supplier of emission-neutral energy systems for heavy-duty applications. With its expertise in battery and fuel cell technology, the company offers customized and, in particular, combined solutions for sustainable and cost-efficient e-mobility.

Freudenberg e-Power Systems supports its customers from application development to production, commissioning and service with more than 700 employees.

PRODUCTS / SERVICES

Fuel Cells:

*H2-System, LNG-System,
MeOH-System*

Battery:

*Battery Packs, Battery Cells,
Full Energy Storage Systems:
Battery Management System,
Battery Disconnect Unit/String
Control Unit (BDU/SCU),
Master Control Unit (MCU),
Battery Rack Systems,
Telematics*

SALES [in million euros]	EMPLOYEES
87.4	751

Freudenberg e-Power
Systems

Bayerwaldstrasse 3

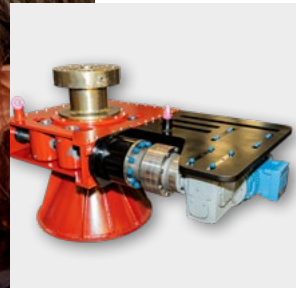
81737 Munich

Germany

Email:

info@freudenberg-eps.com

www.freudenberg-eps.com



E Connector

FREUDENBERG OIL & GAS TECHNOLOGIES

PRODUCTS / SERVICES

Component elastomer specialty seals, seals and sealing kits for RAM/annular blowout preventers, thermoplastic seals, seal stacks/components and metal, spiral and flat seals; connectors with metal-on-metal sealing solutions for offshore/underwater applications Proprietary products include: *Unitized Seal-Lok SPO Compact Flange, Techlok and BlueLock Clamp Connectors, Optima SubseaConnector, BlueSky-RotaBall Swivel Connector, FlexBall plug connectors, AlignLock Misalignment Flange WellProtek Annulars*

Freudenberg Oil & Gas Technologies is a global solutions provider of critical sealing and connector solutions, niche products and services for the global energy market, including the oil and gas and alternative energy market segments. The products are used within drilling, extraction and the processing of oil and gas, enabling energy generation from geothermal, tidal and solar sources.

Freudenberg Oil & Gas Technologies designs and supplies products, technologies, and services to a wide range of customers - including oil and gas producers, original equipment manufacturers as well as engineering and service companies that in turn provide technology, equipment and services for onshore and offshore oil and gas production and energy generation facilities. The Business Group has a material and product testing facility in Houston, Texas, USA and has manufacturing and service centers in Canada, Malaysia, Norway, Singapore, the United Kingdom, the United Arab Emirates and in the United States of America.

Freudenberg Oil & Gas, LLC
10035 Brookriver Drive
Suite 400
Houston, Texas 77040
USA
Phone: +1 281 233 1400
Email: info@fogt.com
www.fogt.com

SALES [in million euros]	EMPLOYEES
97.5	398



Mechanical seal



EAGLEBURGMANN

EagleBurgmann is a leading international manufacturer of industrial sealing technology. The Business Group develops, manufactures and markets a broad range of high-quality products for pumps, compressors, agitators and special machines. The sealing systems are common when safety and reliability are most important, including in refineries and the (petro-) chemical industry, pharmaceuticals, food processing, energy or water treatment applications.

EagleBurgmann offers its customers worldwide sealing solutions that enable entire industries to operate more sustainably and become “greener.”

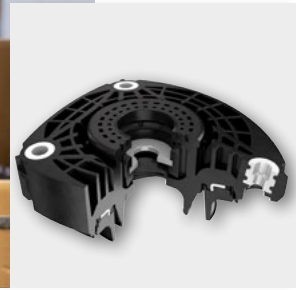
A dense sales and service network ensures excellent customer focus which is optimally enhanced by digital services.

PRODUCTS / SERVICES

Liquid and gas-lubricated mechanical seals and seal supply systems, magnetic couplings, carbon floating ring seals, flat gaskets and stuffing box packings, compensators, TotalSealCare services, Academy

SALES [in million euros]	EMPLOYEES
917.7	5,883

EagleBurgmann Germany
GmbH & Co. KG
Äußere Sauerlacher Str. 6 – 10
82515 Wolfratshausen
Germany
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www.eagleburgmann.com



Synthetic support bearings

VIBRACOUSTIC

PRODUCTS / SERVICES

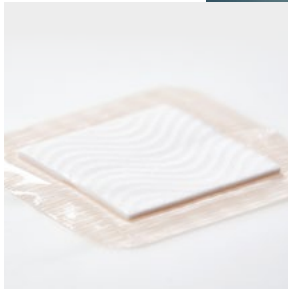
Engine, gearbox and chassis mounts, air springs, torsional vibration dampers, isolators and dampers, components made from MCU (Micro-Cellular Urethane)

Vibracoustic is a global leading NVH (noise, vibration, harshness) expert for the automotive industry and provides tailored solutions that offer more comfort, while contributing to efficiency, safety and the operating life of vehicles. Thanks to its knowhow along the entire product life cycle and in all vehicle systems, Vibracoustic's broad product portfolio provides solutions to current and future NVH challenges in all vehicle segments.

With a global network of production and engineering sites, the Business Group supplies almost all light and commercial vehicle manufacturers as well as their direct suppliers and can significantly improve driving comfort.

Vibracoustic SE
Höhnerweg 2-4
69469 Weinheim
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www.vibracoustic.com

SALES [in million euros]	EMPLOYEES
2,509.0	10,033



Foam support for
modern wound care



FREUDENBERG PERFORMANCE MATERIALS

Freudenberg Performance Materials is a leading global supplier of innovative technical textiles for a broad range of markets and applications such as apparel, automotive, building materials, energy, filter media, healthcare, building interiors, footwear and leather goods as well as specialties.

In 2022, the company generated sales of more than €1.5 billion. The company has 33 manufacturing sites in 14 countries and more than 5,000 employees.

PRODUCTS / SERVICES

Interlinings and thermal insulation for clothing, functional textiles and hobby tailoring; substrates for automotive carpets, headliners, sound-absorbing materials, components for batteries and fuel cells; substrates for bitumen membranes, geo-textiles and tufted carpet tiles; functional components for wound, stoma and transdermal applications; components for footwear and leather goods; nonwovens for electrical applications, allergenic bedding, packaging, anti-condensation nonwovens for metal roofs; hard particle coated nonwovens to raise the coefficient of friction, coated technical textiles for various applications

SALES [in million euros]

1,571.5

EMPLOYEES

5,058

Freudenberg Performance
Materials Holding SE & Co. KG
Höhnerweg 2–4 69469
Weinheim
Germany
Phone: +49 6201 7107 007
Email:
info@freudenberg-pm.com
www.freudenberg-pm.com



spiderMaxx cassette filter

FREUDENBERG FILTRATION TECHNOLOGIES

PRODUCTS / SERVICES

Filter elements, system solutions and services for the filtration of intake and exhaust air in industrial processes and end-user applications; water and membrane filtration systems, automotive cabin air filters and engine intake air filters, filters for room air cleaners as well as household and office devices; digital solutions; filter measurement technology; training and consultancy

Freudenberg Filtration Technologies is a development, production and application specialist for air and liquid filtration. The Business Group's solutions help make its customers' industrial processes more efficient, conserve resources, protect people and the environment, and so help to improve the quality of life.

As a globally renowned partner for reliable, energy efficient filtration designs, Freudenberg Filtration Technologies is active in the automotive and transport, energy and resources, hygiene, comfort and health, production and building technology industries and in the field of technologically sophisticated special applications.

System solutions such as the development, installation and the operation of complete filtration solutions as well as wide-ranging services for air and water quality management complement the market-oriented, innovative product portfolio.

Freudenberg Filtration
Technologies SE & Co. KG
Höhnerweg 2-4
69469 Weinheim
Germany
Phone: +49 (0)6201 7107 264
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info@freudenberg-filter.com
www.freudenberg-filter.com

SALES [in million euros]	EMPLOYEES
677.0	3,552



Headliner facings
for the automotive industry



JAPAN VILENE COMPANY

Since its founding in 1960, the Japan Vilene Company has been the leading nonwoven manufacturer on the Japanese market. The company's motto, "Engineering Fabric Innovation" stands for longstanding material competency and extensive knowhow in production processes and technologies as well as in nonwoven processing. The Japan Vilene Company provides a broad product portfolio for various applications in the automotive, medical, electrical and industrial segments. The company has also expanded its business to include automotive floor mats around the world. Japan Vilene Company operates 15 global production sites, including two main sites in Japan.

Working in close cooperation with Freudenberg Performance Materials and Freudenberg Filtration Technologies, Japan Vilene Company operates a network of production and sales joint ventures throughout Asia.

PRODUCTS / SERVICES

Vehicle headliners, floor mats and interior filters for the automotive industry; filter media and units; battery separators for hybrid vehicles and the end consumer market, as well as other industrial nonwovens; elastic base materials for transdermal products and particulate respirators, angiography sets and other medical products; interlinings and facial masks; fibers made from recycled plastic bottles

SALES [in million euros]

511.7

EMPLOYEES

2,333

Japan Vilene Company Ltd.
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www.vilene.co.jp



Vileda Turbo

FREUDENBERG HOME AND CLEANING SOLUTIONS

PRODUCTS / SERVICES

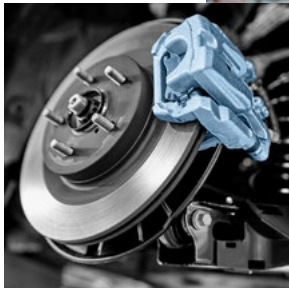
Floor cleaning systems, household cloths, cleaning articles, household gloves, laundry care products such as ironing boards and clothes dryers, cleaning systems for professional applications, facemasks, trolleys

Freudenberg Home and Cleaning Solutions is a leading international company for branded cleaning products and systems as well as laundry care products. The products are sold under the brand names Vileda, Vileda Professional, O-Cedar, Gimi, Oates, Gala, Wet-tex, and Marigold.

Detailed market expertise, innovation, effective new products and a strong customer focus all help the company succeed. International market and customer research, innovation centers and production facilities in all regions of the world, as well as a dedicated sales network in more than 35 countries also help the company thrive.

Freudenberg Home and Cleaning Solutions GmbH
Im Technologiepark 19
69469 Weinheim
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Phone: +49 6201 80-871000
Email: info@fhp-ww.com
www.vileda.de

SALES [in million euros]	EMPLOYEES
1,285.4	3,300



Coated brake caliper



FREUDENBERG CHEMICAL SPECIALITIES

The Freudenberg Chemical Specialities Business Group includes the independently operating companies of Klüber Lubrication, Chem-Trend, SurTec, OKS and Capol.

Klüber Lubrication is a leading manufacturer of specialty lubricants. Chem-Trend is a market leader for release agents used in the production of molded parts from composite materials, rubber, plastics, metal and polyurethane. SurTec is a leading global supplier of chemical specialties for surface treatment and electroplating. OKS specializes in high performance lubricants and products for maintenance and repair. CAPOL is a specialist provider of products for confectionery coatings, pigments and natural aromas for the food industry.

PRODUCTS / SERVICES

Oils, greases, waxes, pastes, bonded coatings, dry and solid lubricants, anti-corrosion, chemo-technical maintenance products, hydraulic oils, cleaning agents, release agents for die casting; composites, rubber and polymer processing; products for surface pretreatment, industrial parts cleaning and electroplating; glazes, release and sealing agents for the confectionery industry, color pigments and natural aromas for confectionery processing

SALES [in million euros]

1,457.2

EMPLOYEES

3,991

Freudenberg Chemical
Specialities SE & Co. KG
Geisenhausenerstraße 7
81379 Munich
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Email: info@fcs-munich.com
www.fcs-munich.com



Multi-lumen extrusion

FREUDENBERG MEDICAL

PRODUCTS / SERVICES

Thermoplastic injection molding, silicone injection molding; silicone and thermoplastic extrusion, complex catheters for diagnosis and therapy; manufacturing, packaging, sterilization and technical services; coatings for medical devices including drug coatings for combination products

Freudenberg Medical is the global partner for the design, development and production of innovative medical products that make a vital contribution in a wide range of medical and pharmaceutical applications. All of the products help to save lives and improve people's health - every day, throughout the world.

The company's product range includes complex catheter solutions, hypotubes, special needles, medical balloons and coatings for minimally invasive procedures, as well as precision molded parts and medical tubing made of silicone and synthetic material.

Freudenberg Medical, LLC
40 Sam Fonzo Drive
Beverly
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Phone: +1 805 684 3304
Email:
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www.freudenbergmedical.com

SALES [in million euros]	EMPLOYEES
327.2	2,404



Standardized services

FREUDENBERG BUSINESS SERVICES

As an internal service provider, Freudenberg Business Services combines administrative activities across Business Groups and regions. Freudenberg can thus generate economies of scale and make standard processes carried out regularly and on a large scale more efficient.

Doing so, relieves pressure on the Business Groups, allowing them to concentrate on their core business, their customers and markets.

PRODUCTS / SERVICES

Purchase of indirect materials and services; accounting; controlling; HR management; payroll; occupational retirement provision; Center of Excellence for process management, lean and automation

LOCATIONS	EMPLOYEES
<i>China, Germany, USA</i>	<i>112</i>

Freudenberg Business
Services KG
Höhnerweg 2–4
69469 Weinheim
Germany
Phone: +49 6201 80-5630
www.freudenberg.com



Weinheim Industrial Park
Power Plant

FREUDENBERG SERVICE

PRODUCTS / SERVICES

*Energy management;
energy services; security;
fire protection; occupa-
tional health and safety;
information and
communication
technology; continuing
education and training;
catering; Carl Freudenberg
winery; postal services;
in-house printing*

Freudenberg Service operates the industrial parks in Weinheim und Neuenburg. The business includes the Freudenberg Service KG and Freudenberg Verpflegungsdienste KG companies, both located in Weinheim. Freudenberg Service offers customers a comprehensive range of services – occupational health and preventive health care, energy supply, information and communication technology, catering and hazard prevention such as plant security and fire services.

Our own modern cogeneration plant (CCHP) at the Weinheim site provides environmentally friendly and efficient energy generation and supply.

The training center run by Freudenberg Service is one of the leading institutions of its kind in the Rhine-Neckar region.

Freudenberg Service KG
Höhnerweg 2–4
69469 Weinheim
Germany
Phone: +49 6201 80-0
Email:
info@freudenberg-service.de
www.industriepark-weinheim.de

LOCATIONS	EMPLOYEES
<i>Germany</i>	230

FREUDENBERG & CO. KOMMANDITGESELLSCHAFT

Freudenberg & Co. Kommanditgesellschaft is the strategic management company for the Freudenberg Group. It covers the Management Board, the Board of Partners, the General Meeting and the Corporate Functions.

The Management Board takes decisions on fundamental strategic issues facing the Group. The Corporate Functions guide, coordinate and monitor Group activities. They define Group-wide guidelines and support the Business Groups as consultants and service providers.

**The Corporate Functions of Freudenberg Technology Innovation, Corporate Insurance and Freudenberg Real Estate are independent companies external to the Freudenberg & Co. Kommanditgesellschaft.*

SERVICES

*Corporate functions:
Corporate Legal; Corporate Tax and Customs; Corporate Information Technology; Corporate Treasury and Finance; Corporate Partners' Relations; Freudenberg Technology Innovation*; Corporate Controlling and Accounting; Corporate Human Resources; Corporate Strategic Planning and Business Development; Corporate Health, Safety, Security, Environment; Corporate Communications; Corporate Insurance*; Corporate Audit; Freudenberg Real Estate**

SITE GERMANY	EMPLOYEES
<i>Freudenberg & Co. Kommanditgesellschaft</i>	223
<i>* Corporate functions in independent companies</i>	294

Freudenberg & Co.
Kommanditgesellschaft
Höhnerweg 2–4
69469 Weinheim
Germany
Phone: +49 6201 80-0
www.freudenberg.com

FREUDENBERG SE

Freudenberg SE is the operational management company for the Freudenberg Group. It carries out the company's strategic decisions.

The corporate bodies at Freudenberg SE are the Board of Management, the Supervisory Board and the Shareholder's Meeting.

The Management Board of Freudenberg & Co. Komanditgesellschaft and the Board of Management of Freudenberg SE have the same members, which is also true of the Board of Partners of Freudenberg & Co. KG and the Supervisory Board of Freudenberg SE.

The Board of Management shares joint responsibility for the Group.



Freudenberg SE
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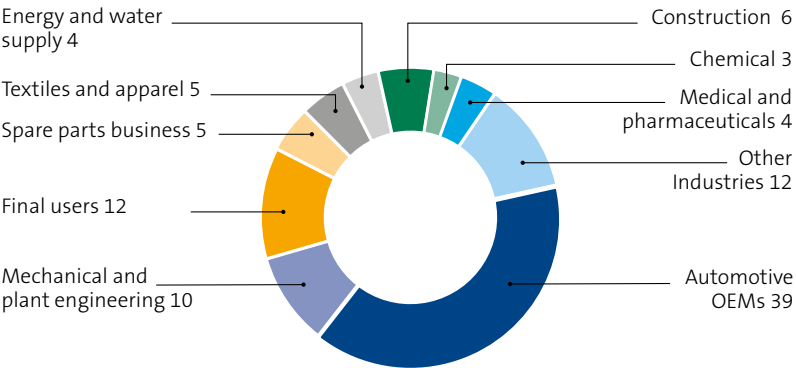
KEY FIGURES

FREUDENBERG GROUP

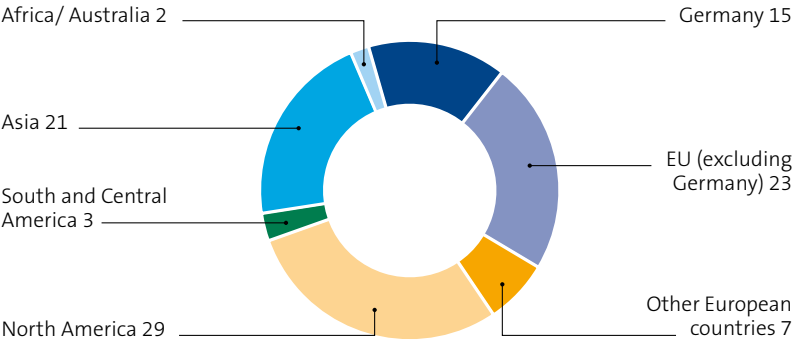
[in million euros]	2021	2022
Sales	10,038.7	11,753.1
Profit or loss before income tax	778.2	857.0
Consolidated profit or loss	587.1	639.6
Employees (12/31)	49,836	51,462
Business Areas (Sales)		
Seals and Vibration Control Technology*	5,135.4	6,067.1
Technical Textiles and Filtration*	2,413.4	2,760.2
Cleaning Technologies and Products*	1,140.2	1,285.4
Specialities*	1,593.1	1,902.2
Employees (12/31)		
Seals and Vibration Control Technology	29,111	30,449
Technical Textiles and Filtration	11,227	10,943
Cleaning Technologies and Products	3,279	3,300
Specialties	6,219	6,770

* Including intra-company sales

SALES BY SECTOR [in %]



SALES BY REGION [in %]



Editorial information

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Employee figures stated are as at the reporting date of December 31, 2022.

To improve legibility we have omitted the presentation of registered trademarks in this overview of the company.

Should we refrain from using different forms of language at the same time in this document, it is solely for the sake of legibility. In all cases, however, all genders - male, female and diverse (m/f/d) are included.