

GROUP PROFILE 2018

FREUDENBERG GROUP



THE FREUDENBERG GROUP

Freudenberg is a global technology group that provides long-term support to customers and society with forward-looking innovations. Working together with partners, customers and the world of science, Freudenberg's eleven Business Groups develop leading-edge technologies, and excellent products, solutions and services for more than 30 market segments and thousands of applications, including seals, vibration control components, nonwovens, filters, specialty chemicals, medical products, IT services and the most modern cleaning products.

Across the globe, the Freudenberg Group's products and services make valuable contributions to customers' success – often invisible, but always essential and in keeping with the company's positioning "Freudenberg is a values-based technology group that best serves its customers and society".

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 offers customers excellent innovative technological products and services in the passenger vehicle and commercial vehicle industries, mechanical 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 vehicles sectors.

Innovation strength, strong customer orientation, 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 169 years.

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 company and currently owned by some 320 heirs to the founding father Carl Johann Freudenberg.

PARENT COMPANY (STRATEGIC MANAGEMENT)
FREUDENBERG & CO. KOMMANDITGESELLSCHAFT

PARENT COMPANY (BUSINESS OPERATIONS)
FREUDENBERG SE

Seals and
Vibration Control
Technology
Business Area

Business Groups

Freudenberg Sealing Technologies

Freudenberg Oil & Gas Technologies

EagleBurgmann

Freudenberg Medical

Vibracoustic

Nonwovens and Filtration
Business Area

Business Groups

Freudenberg Performance Materials

Freudenberg Filtration Technologies

Japan Vilene Company

Household Products
Business Area

Business Group

Freudenberg Home and Cleaning Solutions

Specialties and Others
Business Area

Business Group

Freudenberg Chemical Specialties

Freudenberg IT

Divisions

Freudenberg Business Services

Freudenberg Service

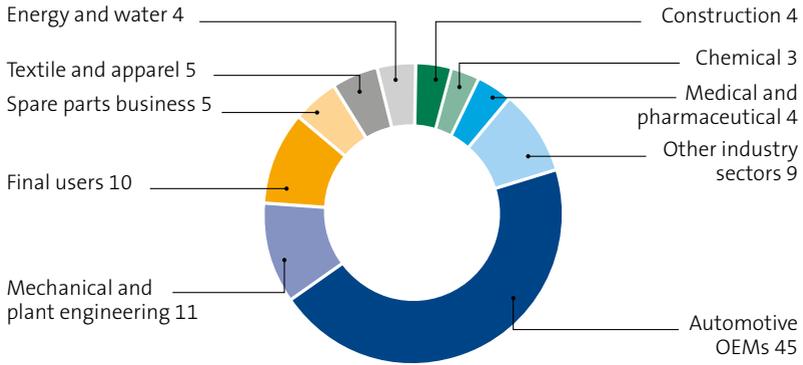
KEY FIGURES

[€ million]	2016	2017
Sales	7,900	9,346
Profit before income taxes	1,265.1	883.1
Consolidated profit	1,086.9	700.1
Workforce (as at Dec. 31)	46,266	47,653
Business Areas		
Seals and Vibration Control Technology*	4,175.8	5,412.5
Nonwovens and Filtration*	1,812.0	1,909.4
Household Products*	859.3	938.4
Specialties and Others*	1,270.6	1,342.3
Workforce (as at Dec. 31)		
Seals and Vibration Control Technology	30,418	31,686
Nonwovens and Filtration	8,334	8,175
Household Products	2,962	3,030
Specialties and Others	4,552	4,762

* Including intra-company sales

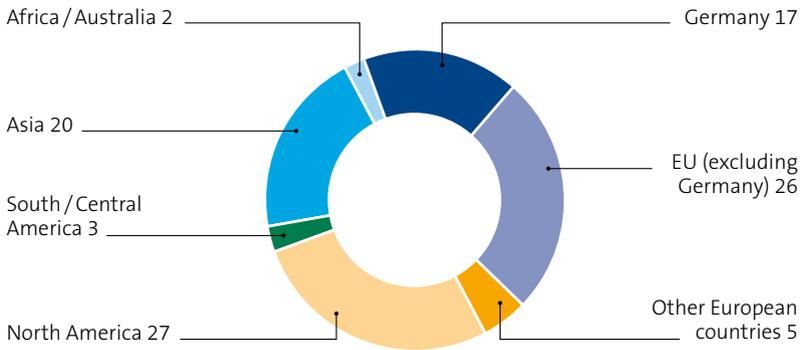
SALES BY SECTORS [%]

At-equity



SALES BY REGIONS [%]

At-equity



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**

Freudenberg & Co. Kommanditgesellschaft is the parent company for the Freudenberg Group parent company and is responsible for strategy. The company is made up of the Management Board, the Board of Partners, the General Meeting and the Corporate Functions.

The Management Board is responsible for decisions regarding the Group's fundamental strategy. The Corporate Functions lead, coordinate and monitor the Group's activities and set Group-wide guidelines, while supporting the Business Groups as advisors or service providers.

**The Corporate Functions Freudenberg Technology Innovation, Corporate Insurance and Freudenberg Real Estate are also independent companies outside Freudenberg & Co. Kommanditgesellschaft.*

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GERMAN SITE	WORKFORCE
<i>Freudenberg & Co. Kommanditgesellschaft</i>	<i>approx. 220</i>
<i>Corporate Functions* in independent companies</i>	<i>approx. 310</i>

FREUDENBERG SE

Freudenberg SE is the Freudenberg Group parent company responsible for operations and implementing strategic decisions from the Management Board.

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

The Management Board of Freudenberg & Co. Kommanditgesellschaft and the Board of Management of Freudenberg SE, as well as the Board of Partners of Freudenberg & Co. Kommanditgesellschaft and the Supervisory Board of Freudenberg SE have the same members.

The Board of Management members are jointly responsible for leading the Freudenberg Group.



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FREUDENBERG SEALING TECHNOLOGIES

PRODUCTS AND SERVICES

Simmerrings, membranes, high-precision molded parts, bellows, dust caps, hydraulic accumulators, O-rings, seals for hydraulics and pneumatics; frame, silicone and shock absorber gaskets, valve stem seals and various special seals; sealing packages for engines, transmissions, brakes, axles and steering assemblies; rubber, plastic and PTFE components for vehicle suspensions, special seals for electrical and fuel systems

Freudenberg Sealing Technologies is a leading market and technology partner for demanding applications, including sealing technology and electro-mobility. Starting with the invention of the Simmerring®, developed by Freudenberg in 1932, the Business Group now has a broad customer-oriented product portfolio – from tailor-made individual solutions to complete sealing packages and components for electric vehicles.

The company is a supplier, development and service partner for customers across various sectors, such as the automotive industry, civil aviation, mechanical engineering and shipbuilding, and many more. FST’s partnership with NOK Corporation, Tokyo, Japan, has created a global network offering products with the same consistently high quality. Dichtomatik is the sales organization for technical seals and Corteco the specialist for the independent automotive spare parts market.

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LOCATIONS	WORKFORCE
<i>Austria, Brazil, Canada, China, Czech Republic, Estonia, France, Germany, Hungary, India, Italy, Mexico, Spain, Turkey, UK, USA</i>	<i>approx. 14,160</i>



FREUDENBERG OIL & GAS TECHNOLOGIES

Freudenberg Oil & Gas Technologies provides innovative sealing solutions and products to the global oil and gas industry. The Business Group focuses on upstream applications, i.e. those used in extraction and production. The Group also develops and markets products for drilling/BOP (pressure control), wellhead equipment, fracturing services, offshore oil and gas platforms as well as underwater applications.

The company supplies a wide range of customers; including oil and gas producers, original equipment manufacturers and engineering and service companies that provide technology, equipment and services for onshore and offshore oil and gas production around the world. The Business Group has a material and product testing laboratory to develop and test new materials and solutions.

PRODUCTS AND SERVICES

Component elastomer specialty seals, seals and sealing kits for RAM/annular blowout preventers, thermoplastic seals, seal stacks and metal, spiral and flat seals; connectors with metal-on-metal sealing solutions for offshore/underwater applications, SPO® Compact Flange, Techlok® Clam Connector, Optima® Subsea Connector, BlueSky-RotaBall™ swivel connector, FlexBall™ plug connectors, AlignLock™ misalignment flange, BlueLock™ clamp plug connector

LOCATIONS

Canada, Norway, UAE, UK, USA

WORKFORCE

approx. 510

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EAGLEBURGMANN

PRODUCTS AND SERVICES

Liquid and gas-lubricated mechanical seals and seal supply systems, magnetic couplings, carbon floating ring seals, flat gaskets and stuffing box packings, compensators, TotalSeal-Care® services with commissioning, repair and damage analyses; seminars and practical training

EagleBurgmann is a leading international manufacturer of industrial sealing technology. The Business Group manufactures and markets a broad range of high-quality products, from technologically advanced customer-specific solutions to large-batch products for pumps, compensators and agitators.

EagleBurgmann's products are common when safety and reliability are most important, including the oil and gas industry, refineries, chemical production, pharmaceuticals, energy, food processing, paper production, water treatment, shipbuilding, aerospace and mining. A dense sales and service network means close customer proximity.

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LOCATIONS	WORKFORCE
<i>Across the Americas, Asia-Pacific, China, EMEA, India, Japan</i>	<i>approx. 5,530</i>



FREUDENBERG MEDICAL

Freudenberg Medical is the global partner for the design, development and manufacture of innovative medical products. The company’s portfolio includes catheter solutions for minimally invasive procedures and components made from complex medical materials.

The company is a leader in high-precision silicone and thermoplastic components and tubing as well as metal hypotubes.

PRODUCTS AND 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

LOCATIONS

China, Costa Rica, Germany, Ireland, USA

WORKFORCE

approx. 1,490

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VIBRACOUSTIC

PRODUCTS AND SERVICES

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

Vibracoustic is the world's leading supplier of automotive vibration technology. The Business Group has a global network of production sites and supplies components to improve onboard comfort to almost all passenger car and commercial vehicle manufacturers around the world as well as their direct suppliers.

Vibracoustic has years of expertise in automotive vibration technology. The company combines an in-depth knowledge of materials with a profound understanding of the entire vehicle. The Business Group offers customers tailor-made solutions covering everything from small-series production to global platforms. Vibracoustic's leading role in automotive vibration technology can be seen in both product and process innovations as well as their customer-oriented solution expertise.

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LOCATIONS	WORKFORCE
<i>Brazil, China, Czech Republic, France, Germany, Hungary, India, Japan, Mexico, Poland, Romania, Russia, Spain, Sweden, South Africa, South Korea, Thailand, Turkey, USA</i>	<i>approx. 9,990</i>



FREUDENBERG PERFORMANCE MATERIALS

Freudenberg Performance Materials is a leading global supplier of innovative technical textiles for a wide range of markets and applications, including automotive, construction, clothing, hygiene, medical, footwear and leather goods, as well as special applications.

The Business Group is a pioneer in nonwovens and has 25 production sites in 14 countries around the world.

PRODUCTS AND SERVICES

Interlinings 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, tufted carpet tiles; functional components for baby diapers, incontinence and feminine hygiene, as well as wound, stoma and transdermal applications; components for footwear and leather goods, nonwovens for electrical applications, allergenic-bedding, packaging

LOCATIONS	WORKFORCE
<p><i>Argentina, Brazil, China, France, Germany, India, Italy, Russia, South Africa, South Korea, Spain, Taiwan, UK, USA</i></p>	<p><i>approx. 3,730</i></p>

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FREUDENBERG FILTRATION TECHNOLOGIES

PRODUCTS AND SERVICES

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, filter measurement technology; training and consulting

Freudenberg Filtration
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Freudenberg Filtration Technologies is the global technology leader for air and liquid filtration. The Business Group's solutions make industrial processes more efficient, conserve resources, protect people and the environment and thus help improve quality of life.

Freudenberg Filtration Technologies has two strong global brands in Viledon® and micronAir®, which are firmly established for use in automotive, gas turbines/compressors, beverage and foodstuffs as well as special applications in ventilation and cleanroom technology. Viledon® focuses on process air optimization and liquid filtration solutions while micronAir® automotive cabin filters protect health and make driving more comfortable. Engine intake air filters improve engine performance. System solutions, such as the development, installation and operation of complete filtration systems, as well as a comprehensive range of services for air and water quality management, round off the company's portfolio.

LOCATIONS	WORKFORCE
<i>Australia, Brazil, China, Germany, India, Italy, Japan, Mexico, Slovakia, South Africa, South Korea, Thailand, USA</i>	<i>approx. 2,090</i>



JAPAN VILENE COMPANY

The Japan Vilene Company was established in 1960 and has since been the leading manufacturer of nonwovens on the Japanese market. The Automotive Materials and Industrial Materials divisions offer a broad product portfolio for a wide range of applications. The company operates two production plants, a research and development center, and works with five other production, processing and sales companies in Japan. The Business Group has expanded its business to service the global vehicle interior market.

Working closely with Freudenberg Performance Materials and Freudenberg Filtration Technologies, Japan Vilene Company operates a network of production and sales joint ventures across Asia.

PRODUCTS AND 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

LOCATIONS

China, Japan, Mexico, South Korea, Taiwan, Thailand, USA

WORKFORCE

approx. 2,360

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FREUDENBERG HOME AND CLEANING SOLUTIONS

PRODUCTS AND 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

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®, O-Cedar®, Wettex®, Gala®, Marigold®, SWASH® and Framar®.

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 by a dedicated sales network in more than 35 countries also help the company thrive.

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LOCATIONS

Australia, Belgium, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Greece, Hong Kong, Hungary, India, Italy, Jordan, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, Serbia, Slovenia, South Korea, Spain, Sweden, Taiwan, Thailand, Turkey, UK, USA

WORKFORCE

approx. 3,030



FREUDENBERG CHEMICAL SPECIALITIES

The Freudenberg Chemical Specialities Business Group includes Klüber Lubrication, Chem-Trend, SurTec, OKS and Capol. Each company operates independently. Klüber Lubrication is one of the world's leading manufacturers of specialty lubricants. Chem-Trend is the world market leader for release agents used in the production of molded parts from composite materials, rubber, plastics, metal and polyurethane. SurTec is a leading supplier of chemical specialties for surface treatment and electroplating. OKS specializes in performance lubricants and products for maintenance and repair. Capol is a leading worldwide provider of confectionery coatings, glazes, release agents and sealing agents as well as other specialty products.

PRODUCTS AND SERVICES

Oils, greases, waxes, pastes, bonded coatings, dry and solid lubricants, anti-corrosion products, 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

LOCATIONS

Argentina, Australia, Austria, Belgium, Brazil, Chile, China, Croatia, Czech Republic, Denmark, Finland, France, Germany, India, Indonesia, Italy, Japan, Malaysia, Mexico, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, Turkey, UAE, UK, USA, Vietnam

WORKFORCE

approx. 3,500

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FREUDENBERG IT

PRODUCTS AND SERVICES

Cloud Computing, Consulting SAP, End-User-Services, MES, Internet of Things, Security, Outsourcing

Freudenberg IT (FIT) is a global full-service information technology provider headquartered in Weinheim. For more than 30, years, FIT has been offering a spectrum of services covering all facets of the SAP landscape, from outsourcing offerings to system optimization and operating services to process and SAP consulting. Freudenberg IT is constantly driving integration between planning systems, especially for the medium-sized manufacturing and automotive industry. This makes the Business Group a pioneer of industry 4.0.

A partnership with Microsoft enables targeted support for all customers in the digitization process, right up to the optimization of modern workplace environments. In this context, cloud computing solutions are becoming more and more important.

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LOCATIONS

China, Germany, Mexico, Slovakia, USA

WORKFORCE

approx. 890



FREUDENBERG SERVICE

Freudenberg Service operates the industrial parks in Weinheim, Neuenburg and Laudenbach. 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.

A modern trigeneration plant (CCHP) at the Weinheim site provides environmentally friendly 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.

PRODUCTS AND SERVICES

Industrial park operation; energy services; information and communication technology; vocational and in-house training; catering

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LOCATION	WORKFORCE
<i>Germany</i>	<i>approx. 230</i>



FREUDENBERG BUSINESS SERVICES

SERVICES

Purchase of non-production materials and services; accounting, HR management, payroll; occupational retirement provision

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.

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LOCATIONS

China, Germany, USA

WORKFORCE

approx. 110

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