

Business Outline of the Central Glass Group (As of March 31, 2022)

Major Products of Each Segment

Glass Business	Architectural Glass	Float glass, figured glass, wired glass, heat reflective glass, fabricated glass (tempered glass, heat-resistant tempered glass, laminated glass, insulating glass units, security glass, and disaster prevention laminated safety glass), mirrors, anti-fog mirrors, and decorated glass
	Automotive Fabricated Glass	IR-cut glass, UV-cut glass, glass antennas, privacy glass, module glass, acoustic glass, defogging glass, head-up display glass, and other various safety glasses
	Glass Fiber	Continuous glass fiber, glass wool

Chemicals Business	Basic Chemicals	Hydrofluorolefin, polyaluminum chloride, gypsum, and hydrofluoric acid
	Fine Chemicals	Active ingredients and intermediates for pharmaceuticals and agrochemicals, fluorine organic/inorganic compounds, high purity fluorine gases for semiconductors, and electrolytes for lithium-ion batteries
	Fertilizers	Coated fertilizer, NPK compound fertilizer, NK fertilizer, ammonium chloride, and organic chemical fertilizer

Europe

Company Name	Location	Main Business Operations
Glass		
Carlex Glass Luxembourg, S.A.	Luxembourg	Manufacture and sale of fabricated automotive glass
Chemicals		
Central Glass Germany GmbH	Germany	GMP contract manufacturing of active pharmaceutical ingredients
Central Glass Europe Limited	UK	Investigation and information services
Apollo Scientific Limited	UK	Manufacture and sale of fluorinated chemicals
Central Glass Czech s.r.o.	Czech Republic	Manufacture and sale of electrolytes for lithium-ion batteries



Asia

Company Name	Location	Main Business Operations
Glass		
Taiwan Central Glass Co., Ltd.	Taiwan	Manufacture and sale of processed glass for electronic materials
Saint-Gobain Central Sekurit (Qingdao) Co., Ltd.	China	Manufacture and sale of fabricated automotive glass
Chemicals		
Giga Gas & Electronic Materials Company	Taiwan	Sale of special gases for information and electronic industries, and chemical products
Giga Gas & Electronic Materials Company Singapore	Singapore	Sale of special gases for information and electronic industries, and chemical products
Giga Gas & Electronic Materials Trading (Shanghai) Co., Ltd.	China	Sale of special gases for information and electronic industries, and chemical products
Zhejiang Central Glass Chemspec Company Ltd.	China	Manufacture and sale of electrolytes for lithium-ion batteries and fluorinated chemicals
Central Glass Trading (Shanghai) Co., Ltd.	China	Wholesale and import/export of glass products, chemical products, chemical fertilizers, glass fiber, and other products
Jiangxi Tinci Central advanced materials Co., Ltd.	China	Manufacture and sale of raw material for electrolytes for lithium-ion batteries
Zhejiang Britech Central Glass Co., Ltd.	China	Manufacture and sale of special gases for semiconductors
JCEL Co., Ltd.	South Korea	Manufacture and sale of and technical service for electrolytes for lithium-ion batteries
Central Glass Korea Co., Ltd.	South Korea	Wholesale and import/export of glass products, chemical products, chemical fertilizers, glass fiber, and other products
Central Glass Company India Private Limited	India	Wholesale and import/export of glass products, chemical products, chemical fertilizers, glass fiber, and other products
Japan Vietnam Fertilizer Company	Vietnam	Manufacture and sale of chemical fertilizers

Japan

Company Name	Location	Main Business Operations
Glass		
Central Glass Sales Co., Ltd.	Tokyo	Construction, wholesale, sale, and installation of architectural and residential glass
Central Glass Engineering Co., Ltd.	Tokyo	Contracted work and construction of architectural glass
Bishu Silica Sand Co., Ltd.	Aichi	Refinement of silica sand and gravel
Mie Glass Industry Co., Ltd.	Mie	Manufacture and sale of secondary fabricated products of flat glass
Central Glass Plant Services Co., Ltd.	Mie	Cutting and secondary processing of flat glass, maintenance of manufacturing facilities, manufacture and repair of machines and equipment, and manufacture and sale of crates and pallets
Central Saint-Gobain Co., Ltd.	Tokyo	Purchase, sale, import and export of fabricated automotive glass and other glass products
Central Glass Module Co., Ltd.	Tochigi	Manufacture, processing, and sale of automotive parts, etc.
Japan Tempered & Laminated Glass Co., Ltd.	Gifu	Manufacture of fabricated automotive glass and processed architectural glass
Central Glass Fiber Co., Ltd.	Mie	Manufacture, sale, and processing of continuous glass fiber, glass wool, and related products
Sowa Transportation and Warehouse Co., Ltd.	Osaka	Warehousing and freight transport services
Central Insulation Co., Ltd.	Aichi	Manufacture and processing of glass wool products
Chemicals		
Central Chemical Co., Ltd.	Tokyo	Manufacture, processing, and sale of coated fertilizer, ammonium chloride, chemical fertilizers and other related products
Tosho Central Co., Ltd.	Tokyo	Sale of merchandise, insurance agent business, freight-hauling business, and packaging and loading
Central Engineering Co., Ltd.	Yamaguchi	Design and construction of various plants, manufacture and repair of machines and equipment
Ube Analytical Center Co., Ltd.	Yamaguchi	Analysis services for various chemical products, fertilizers, etc.
Ube Yoshino Gypsum Co., Ltd.	Yamaguchi	Manufacture of gypsum plaster

The Americas

Company Name	Location	Main Business Operations
Glass		
Carlex Glass America, LLC*	US	Manufacture of float glass and manufacture and sale of fabricated automotive glass
Chemicals		
SynQuest Laboratories, Inc.	US	Manufacture, processing and sale of fluorinated chemical products
Central Glass International, Inc.	US	Investigation and information services, sale of goods



* The shares of Carlex Glass America, LLC and Carlex Glass Luxembourg, S.A. were transferred in May 2022.

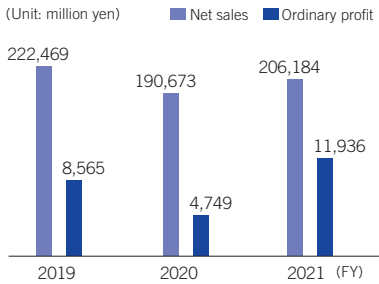
Corporate Outline

Company Name	Central Glass Co., Ltd.
Established	October 10, 1936
Number of Employees	1,630 (5,420 consolidated)
Capital	18,168.28 million yen
Listed Stock Exchange	Tokyo Stock Exchange

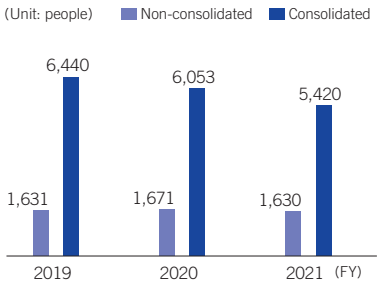
Business Sites in Japan

Headquarters	Kowa-Hitotsubashi Bldg., 7-1 Kanda-Nishikicho 3-chome, Chiyoda-ku, Tokyo
Chemical Research Center	17-5 Nakadai 2-chome, Kawagoe City, Saitama Prefecture
Chemical Research Center (Ube)	5253 Okiube, Ube City, Yamaguchi Prefecture
Glass Research Center	1510 Okuchi-cho, Matsusaka City, Mie Prefecture
Ube Plant	5253 Okiube, Ube City, Yamaguchi Prefecture
Matsusaka Plant	1521-2 Okuchi-cho, Matsusaka City, Mie Prefecture
Kawasaki Plant	10-2 Ukishima-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

Net Sales and Ordinary Profit (Consolidated)



Number of Employees



FY2021 Sales by Segment (Consolidated)

