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# Container Glass Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Glass Type (Type 1, Type 2, Type 3, Type 4), By Container Type (Bottles, Jars, Vials & Ampoules, Tableware, Decorative Containers), By Forming Process (Blow & Blow Forming, Press & Blow Forming), By End-user Industry (Packaging (Food Packaging, Beverage Packaging, Pharmaceuticals, Cosmetic & Perfumery, Others), Non-packaging), By Region & Competition, 2021-2031F

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## Abstracts

The Global Container Glass market is projected to expand from USD 71.65 Billion in 2025 to USD 98.96 Billion by 2031, registering a CAGR of 5.53%. This sector encompasses rigid packaging solutions like bottles, jars, and vials, manufactured from limestone, soda ash, and silica sand for the pharmaceutical, food, and beverage industries. A primary factor fueling this growth is the material's chemical inertness, which guarantees safety and preservation without impacting product composition or taste, alongside its infinite recyclability which appeals to eco-conscious consumers. Data from the European Container Glass Federation indicates that in 2024, member sales of food and beverage glass containers totaled 21 million tonnes, marking a 1 percent rise in tonnage from the previous year.

However, the market confronts substantial hurdles due to the intense energy requirements of the glass melting process, demanding continuous and high-volume power consumption. This heavy dependence on energy sources leaves manufacturers

vulnerable to fluctuating fuel costs and strict decarbonization regulations, which can drive up operational expenses. Consequently, these rising costs threaten price competitiveness when compared to lighter packaging alternatives, potentially impacting market positioning.

**Market Driver**

The rising global consumption of alcoholic and non-alcoholic beverages acts as a major catalyst for the container glass market, specifically within the beer, wine, and premium spirits categories. Producers heavily depend on glass to maintain flavor purity and project a premium brand image, satisfying consumer demand for sophisticated, shelf-stable goods. This consistent need for rigid packaging generates significant revenue for leading manufacturers optimizing their output; for example, Verallia reported in its February 2024 "2023 Annual Results" that revenue hit ?3,904 million, a 16.5 percent year-over-year increase indicative of the sector's strong financial health.

Simultaneously, the surge in demand for sustainable, infinitely recyclable packaging is redefining industry norms as consumers and regulators move away from single-use plastics toward circular economy frameworks. Glass stands out as a permanent material capable of endless recycling without quality degradation, driving extensive collection and reprocessing initiatives to minimize carbon footprints. According to a June 2024 press release by Close the Glass Loop, the EU maintained a stable glass packaging collection rate of 80.2 percent in 2022. To sustain these environmental transitions and production scales, major entities maintain substantial fiscal results, with O-I Glass, Inc. reporting full-year net sales of $7.1 billion in February 2024.

**Market Challenge**

The substantial energy intensity necessary for glass manufacturing serves as a significant constraint on the global market. Producers are required to operate furnaces at extreme temperatures to melt raw materials, a procedure that necessitates a massive and uninterrupted power supply. This reliance exposes the industry to fuel price volatility and the financial weight of adhering to rigorous decarbonization standards, both of which drastically increase operational expenditures. Consequently, manufacturers are often forced to raise prices, diminishing their competitive edge against less energy-intensive and lighter packaging alternatives like aluminum and plastics.

This economic pressure forces the industry to contend with shrinking margins and contracting revenue streams within major manufacturing centers. The fiscal consequences of these operational burdens are reflected in recent performance metrics. As reported by 'Bundesverband Glasindustrie e.V.' regarding 2025 data, the German glass industry experienced an 8.3 percent decline in turnover, falling to EUR 11.26 billion in 2024. Such downturns highlight the direct influence of rising energy-related costs, which restrict manufacturers' ability to provide competitively priced products and ultimately impede the broader growth trajectory of the container glass sector.

**Market Trends**

The shift toward hybrid-electric and hydrogen melting furnaces marks a pivotal transformation in decarbonizing the energy-heavy glass production process. Industry players are substituting traditional gas-fired kilns with hybrid systems that leverage hydrogen and renewable electricity, thereby drastically reducing direct carbon emissions while upholding thermal efficiency. This technological progression enables producers to satisfy strict environmental goals and cushion the impact of fuel price instability by diversifying their energy mix; for instance, Ardagh Glass Packaging announced in June 2024 that bottles made using its new NextGen Furnace achieved a 64 percent reduction in CO2 emissions compared to standard methods.

Concurrently, the application of lightweight glass container technologies allows manufacturers to minimize raw material consumption and streamline supply chain logistics. By utilizing advanced strengthening treatments and forming algorithms, producers can reduce container wall thickness significantly without sacrificing premium aesthetics or structural integrity. This weight reduction lowers resource extraction needs and fuel consumption during transport, enhancing the packaging's environmental profile. Evidence of this trend is seen in Verallia's October 2024 announcement, where the company introduced an ultralight jar range that achieved weight reductions between 10 percent and 27 percent compared to standard models.

**Key Market Players**

- Hindustan National Glass & Industries Ltd
- Nampak Ltd
- Amcor Ltd
- Toyo Glass Co. Ltd

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Consol Glass

AGI Glaspac

Saverglass Group

Ardagh Packaging Group PLC

Owens-Illinois Inc.

Vidrala SA

**Report Scope**

In this report, the Global Container Glass market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Container Glass market, By Glass Type

Type 1

Type 2

Type 3

Type 4

Container Glass market, By Container Type

Bottles

Jars

Vials & Ampoules

Tableware

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Decorative Containers

Container Glass market, By Forming Process

Blow & Blow Forming

Press & Blow Forming

Container Glass market, By End-user Industry

Packaging (Food Packaging, Beverage Packaging, Pharmaceuticals, Cosmetic & Perfumery, Others)

Non-packaging

Container Glass market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE

**Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Container Glass market.

**Available Customizations:**

Global Container Glass market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional market players (up to five).

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