

Pet Bottle Blow Molding Machine Market By Machine Type (Injection Stretch Blow Molding Machines (ISBM) , Extrusion Blow Molding Machines (EBM) , Stretch Blow Molding Machines (SBM) , Injection Blow Molding Machines (IBM) , Others) , By Technology (Single Stage, Two Stage, Hybrid) By End User (Food & Beverages, Pharmaceuticals, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2032

<https://marketpublishers.com/r/P5603441F7A7EN.html>

Date: July 2024

Pages: 203

Price: US\$ 2,736.00 (Single User License)

ID: P5603441F7A7EN

Abstracts

The PET bottle blow molding machine market was valued at \$0.9 billion in 2023, and is projected to reach \$1.2 billion by 2032, growing at a CAGR of 3.1% from 2024 to 2032.

Blow molding machine, specifically designed for high-density polyethylene terephthalate (PET) bottles, is a manufacturing process used to create hollow plastic parts, such as bottles and containers, by inflating heated plastic into a mold cavity. It plays a critical role in producing lightweight, durable, and recyclable PET bottles, which are in high demand across various industries due to their cost-effectiveness and environmental benefits. Moreover, the machine exhibits high production efficiency and the ability to produce complex bottle shapes, which makes it an essential equipment in the plastic manufacturing industry, particularly for creating containers used in the beverage, food, pharmaceutical, and personal care sectors.

The growth of the global PET bottle blow molding machine market is majorly driven by increase in consumption of bottled beverages, including water, soft drinks, juices, and

alcoholic drinks and higher cost efficiency associated with PET bottles as compared to other packaging materials due to lower transportation and handling costs. As per a 2020 study published in Elsevier—Dutch academic publishing company specializing in scientific, technical, and medical content—PET is the third most widely diffused polymer exploited in the packaging industry that covers almost the 16% of the European plastic consumption in the packaging industry. Furthermore, shift toward on-the-go consumption and convenience packaging and surge in demand for single-serve and portable beverage containers significantly foster the demand for PET bottle blow molding machines. In addition, rise in emphasis on sustainable packaging solutions and recycling and increase in initiatives to adopt sustainable practices boost the market growth. For instance, many countries have adopted the circular economy approach that focuses on extending the lifecycle of products, minimizing waste, and making the most of resources. The European Union has been a pioneer in promoting circular economy practices through policies and regulations such as the Circular Economy Action Plan, which aims to make Europe a leader in sustainable resource management and waste reduction. However, significant capital required for purchasing and setting up blow molding machines acts as barrier for the market growth, particularly for small and medium-sized enterprises. In addition, complexities associated with the operation of blow molding machine coupled with dearth of skilled labor and specialized training limit their adoption, thus restraining the market growth. Despite being recyclable, PET bottles can contribute to environmental pollution if not properly disposed of or recycled, thus increasing environmental concerns with accumulation of PET waste in landfills and oceans. Moreover, the recycling process of PET is complex and incurs additional cost, which significantly hampers the market growth. On the contrary, innovations in machine design and manufacturing processes, leading to higher production rates and improved product quality, are expected to offer lucrative opportunities for the expansion of the global market during the forecast period. In addition, the development of more efficient and automated blow molding machines is anticipated to open new avenues for the market growth in the coming years.

The PET bottle blow molding machine market is segmented into machine type, technology, end user, and region. By machine type, it is categorized into injection stretch blow molding machines (ISBM), extrusion blow molding machines (EBM), stretch blow molding machines (SBM), injection blow molding machines (IBM), and others. On the basis of technology, it is classified into single stage, two-stage, and hybrid. Depending on end user, it is fragmented into food & beverages, pharmaceuticals, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.

Key Findings

On the basis of machine type, the extrusion blow molding machines (EBM) segment held the highest market share in 2023.

Depending on technology, the two-stage machine acquired the largest share in 2023.

By end user, the food & beverages segment emerged as the major shareholder in 2023.

Region wise, Asia-Pacific is expected to dominate the PET bottle blow molding machine market by 2032.

Competition Analysis

Competitive analysis and profiles of the major players in the global Pet Bottle Blow Molding Machine Market include Sidel Group., Kronos AG, Nissei ASB Machine Co., Ltd., SIPA S.p.A., Aoki Technical Laboratory, Inc., KHS GmbH., SMI S.p.A., SACMI Group, Kautex Maschinenbau GmbH, and Jomar Corporation. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold and sustain the intense competition.

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Analysis of raw material in a product (by %)

Global Market Strategy

Market share analysis of players by products/segments

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Brands Share Analysis

Criss-cross segment analysis- market size and forecast

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By Machine Type

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Extrusion Blow Molding Machines (EBM)

Stretch Blow Molding Machines (SBM)

Injection Blow Molding Machines (IBM)

Others

By Technology

Single Stage

Two Stage

Hybrid

By End User

Food Beverages

Pharmaceuticals

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

Sidel Group.

Krones AG

Nissei ASB Machine Co., Ltd.

SIPA S.p.A.

Aoki Technical Laboratory, Inc.

KHS GmbH.

SMI S.p.A.

SACMI Group

Kautex Maschinenbau GmbH.

Jomar Corporation

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