

## **Bottle Blowing Machine - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2026 - 2031)**

Market Report | 2026-02-09 | 120 pages | Mordor Intelligence

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### **Report description:**

Bottle Blowing Machine Market Analysis

The bottle blowing machine market was valued at USD 2.41 billion in 2025 and estimated to grow from USD 2.52 billion in 2026 to reach USD 3.15 billion by 2031, at a CAGR of 4.57% during the forecast period (2026-2031). Continued beverage, pharmaceutical, and consumer-goods demand, coupled with rapid progress in energy-efficient electric systems and greater use of recycled PET, underpins this expansion. Stretch blow molding retains its role as the high-volume workhorse for carbonated soft drinks, while injection blow molding gains ground in pharmaceutical small-volume formats. Manufacturers are embedding digital-twin controls and predictive analytics to improve uptime, compress changeover windows, and reduce energy consumption. Competition now centers on lightweighting capability, recycled-content processing, and end-to-end automation, with leading vendors pursuing targeted acquisitions to broaden their portfolios. Volatile PET pricing, an industry-wide technical talent shortage, and high capital intensity remain headwinds, yet government tax credits for energy-saving production lines and the rise of on-site micro-factory bottle production offer new growth levers.

Global Bottle Blowing Machine Market Trends and Insights

Surging Demand for Lightweight PET Bottles in CSD Segment

Carbonated-soft-drink brands are stripping gram weight from containers to cut resin costs and emissions. Coca-Cola's 2024 redesign trimmed the 20-oz bottle from 21 g to 18.5 g, eliminating material equal to 800 million bottles while requiring blow

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molders with higher heating precision to maintain carbonation performance. Parallel launches in India employ 100% recycled PET, pairing lightweighting with circular-economy messaging. These shifts compel equipment makers to deliver stretch blow systems that tolerate thinner preforms without wall-thickness variance or base deformation, locking in demand for advanced infrared heating, servo stretch rods, and in-mold pressure control.

#### Growing Uptake of Single-Serve Pharma Bottles

Regulators and drug makers are converging on unit-dose formats to improve patient adherence, spawning sustained demand for 5 ml - 100 ml containers with a pharmaceutical-grade surface finish. Injection blow molding, prized for dimensional accuracy and low particulate generation, is the process of record. Equipment suppliers now integrate laminar-flow enclosures, HEPA-filtered air knives, and full cavity-by-cavity weighing systems to satisfy stringent FDA traceability rules. The rise of smart caps and embedded RFID further anchors the need for molders that can house electronics without compromising barrier integrity or sterility, steering procurement toward aseptic, all-electric machines.

#### High CAPEX for Large-Scale Stretch Blow Molders

Rotary stretch systems exceeding 10,000 bph can top USD 4 million per line, a hurdle for mid-tier beverage firms in markets with restricted credit availability. Payback periods stretch further when resin spikes erode margins and when demand forecasts hinge on volatile consumer sentiment. Suppliers promote modular upgrades-adding cavities, heating banks, or blow stations in phases-to lower the entry ticket and spread depreciation across multiple fiscal years. Some vendors partner with finance arms to underwrite leasing or pay-per-use models, yet many smaller players still defer expansion, tempering near-term demand for top-speed equipment.

Other drivers and restraints analyzed in the detailed report include:

Shift Toward Fully-Electric, Energy-Efficient Machines  
Recycled-PET Preforms Optimized for Low IV Scatter  
Volatility in PET Resin Prices

For complete list of drivers and restraints, kindly check the Table Of Contents.

#### Segment Analysis

The extrusion blow molding segment captured 52.98% of the market, followed by stretch blow molding in 2025, anchored by beverages that require pressure-resistant, clear containers. The process excels at lightweighting, a key advantage as brands race for lower carbon footprints. Injection blow molding, though niche at CAGR, attracts pharmaceuticals needing precise neck finish and sterile interiors. Extrusion blow remains the go-to for handled jugs and odd-shaped detergent bottles. New systems, such as rotary compression-blow units producing up to 13,000 bph, merge injection precision with stretch throughput. As brands diversify portfolios into functional shots and premium juices, hybrid technologies gain attention, but stretch blow's installed base and tooling familiarity keep it the anchor of the bottle blowing machine market.

Pharmaceutical-grade accuracy and low particulate levels give injection blow an edge in volumes under 100 ml. Demand for child-resistant droppers, nasal sprays, and ophthalmic doses pulls buyers toward fully-electric eight-to-twelve-cavity systems with integrated leak detection. Although its contribution to the overall bottle blowing machine market size is modest, the segment commands higher margins and drives aftermarket mold revenue. Vendors that package turnkey cleanroom systems, validation documents, and GMP training capture share among drug-contract manufacturers scaling personalized therapies.

Automatic machines held 71.55% of the bottle blowing machine market share in 2025 as talent shortages pushed factories toward

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lights-out operations. Real-time OEE dashboards and servo-driven mold changes cut manual touches by 80% on leading systems. Semi-automatic models survive in pilot lines, specialty cosmetics, and R&D labs, but their 3.72% CAGR lags fully automated peers. Manufacturers now bundle predictive-maintenance subscriptions, allowing them to dispatch technicians only when AI-detected anomalies emerge, lowering ownership cost and mitigating the skilled labor deficit.

Government stimulus for smart manufacturing further tilts spending to connected machines that feed production data into enterprise resource planning and carbon-reporting platforms. Vendors differentiate by publishing ready-to-connect OPC UA interfaces and cybersecurity certifications, easing corporate IT approvals. As energy prices rise, buyers favor electric servo blowers that recover braking energy and cut kWh per bottle, reinforcing the shift to high-spec automation and cementing automatic equipment as the value core of the bottle blowing machine market.

The Bottle Blowing Machine Market Report is Segmented by Technology (Stretch Blow Molding, Extrusion Blow Molding, and Injection Blow Molding), Machine Type (Automatic, Semi-Automatic), Container Volume (Up To 2 L, 2-10 L, and Above 10 L), End-User Industry (Beverage, Food, Pharmaceuticals, Personal Care and Cosmetics, and More), and Geography. The Market Forecasts are Provided in Terms of Value (USD).

### Geography Analysis

Asia-Pacific led with 39.55% revenue share in 2025 and is projected to clock 7.62% CAGR, driven by rising disposable income and large new beverage plants in China, India, and Vietnam. Government incentives for high-efficiency machinery and an expanding pharmaceutical manufacturing base sustain capital investment. Coca-Cola Europacific Partners' 36,000 bph PET line in Papua New Guinea exemplifies multinationals pushing state-of-the-art stretch blow capability deeper into developing markets.

North America shows stable replacement demand, with tax credits accelerating all-electric line retrofits and micro-factory installations. Europe, though mature, experiences equipment churn tied to recycled-content mandates and energy-efficiency targets; uncertainty over chemical-recycling policy tempers some long-horizon commitments. Latin America and the Middle East and Africa register mid-single-digit growth, but political volatility and foreign-exchange swings pose financing challenges. Suppliers mitigate risk by offering service-center joint ventures and local mold refurbishment hubs to shorten lead times and build customer stickiness.

A broadening installed base of digital-twin-enabled machines creates aftermarket revenue streams for software subscriptions and AI analytics, equally attractive to multinationals across all regions. Market entrants eye Asia-Pacific for volume, Europe for sustainability innovation, and North America for premium machinery retrofits - confirming differentiated regional priorities within the global bottle blowing machine market.

### List of Companies Covered in this Report:

Krones AG Sidel Group (Tetra Laval International S.A.) KHS GmbH Sacmi Imola S.C. AOKI Technical Laboratory, Inc. Nissei ASB Machine Co., Ltd. SIPA S.p.A. Zhejiang Tonva Plastics Machine Co., Ltd. Tech-Long Packaging Machinery Co., Ltd. Jagmohan Pla-Mach Pvt Ltd Jomar Corporation SMF Maschinenfabrik Germany GmbH Guangzhou Shine Plastic Machinery Co., Ltd. Meccanoplastica Srl Bekum Maschinenfabriken GmbH Magic MP S.p.A. Pet All Manufacturing Inc. Parker Plastic Machinery Co., Ltd. Chia Ming Machinery Co., Ltd. Uniloy Inc. Electra Form Industries, Inc. Kautex Maschinenbau GmbH

### Additional Benefits:

<ul> The market estimate (ME) sheet in Excel format  
3 months of analyst support </ul>

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6.4.9 Tech-Long Packaging Machinery Co., Ltd.

6.4.10 Jagmohan Pla-Mach Pvt Ltd

6.4.11 Jomar Corporation

6.4.12 SMF Maschinenfabrik Germany GmbH

6.4.13 Guangzhou Shine Plastic Machinery Co., Ltd.

6.4.14 Meccanoplastica Srl

6.4.15 Bekum Maschinenfabriken GmbH

6.4.16 Magic MP S.p.A.

6.4.17 Pet All Manufacturing Inc.

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