

Die Casting Machines Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Machine Type (Cold Chamber Die Casting Machines and Hot Chamber Die Casting Machines), By Industry (Automotive, 3C Industry, and Others), By Raw Material (Aluminum, Magnesium, and Others), By Region & Competition, 2021-2031F

<https://marketpublishers.com/r/D5B65EBAC75EEN.html>

Date: January 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: D5B65EBAC75EEN

Abstracts

The Global Die Casting Machines Market is projected to expand from USD 74.63 Billion in 2025 to USD 107.13 Billion by 2031, reflecting a CAGR of 6.21%. These industrial systems are engineered to inject molten metal into reusable molds under high pressure, creating metal parts characterized by smooth surface finishes and precise dimensions. Market growth is largely spurred by the automotive industry's rising demand for lightweight components, which are essential for enhancing the range and energy efficiency of electric vehicles. Additionally, the need for rapid, high-volume manufacturing in the consumer electronics and aerospace sectors supports the demand for this equipment, as producers aim to shorten cycle times while preserving structural durability.

Conversely, market expansion faces a significant hurdle due to the substantial initial capital investment needed for specialized tooling and heavy-tonnage machinery, a cost that often proves prohibitive for small and medium-sized enterprises. This financial obstacle is frequently exacerbated by fluctuating raw material costs and energy prices, which adversely affect operational margins. According to the Japan Die Casting Association, total annual die casting production in Japan hit 906,801 tons in 2024, a statistic that underscores the immense industrial scale and ongoing reliance on these machines within key manufacturing centers despite the prevailing economic challenges.

Market Driver

The rapid electrification of the automotive industry acts as the primary catalyst for the global die casting machines market, requiring the manufacture of lightweight aluminum parts to counterbalance heavy battery packs in electric vehicles (EVs). Producers are increasingly channeling investments into high-pressure die casting (HPDC) equipment to create complex, thin-walled components like motor cases and battery housings that improve vehicle performance and range. This momentum is highlighted by substantial capital expenditures aimed at broadening production capabilities for electrified platforms in major regions. For instance, according to the North American Die Casting Association's May 2024 report on 'Ryobi Invests \$50 Million at its Mexico Facility,' Ryobi Die Casting declared a USD 50 million expansion involving five new large high-pressure die cast machines to meet expected future demand from the electric vehicle sector.

Simultaneously, the broad adoption of Giga casting technology is transforming vehicle assembly by allowing the production of massive, single-piece structural underbodies, thereby removing the need for hundreds of welded sub-assemblies. This shift in manufacturing necessitates ultra-large-tonnage die casting machines with superior clamping forces, which significantly cut down on factory footprints and production cycle times. Leading automotive OEMs are actively adopting these systems to rival the manufacturing efficiencies established by industry pioneers. According to a Sahn Capital report from August 2024 titled 'Toyota Aims To Reduce EV Costs with Gigacasting Machine,' Toyota Motor Corporation intends to install a unit capable of 9,000 tonnes of clamping pressure to optimize EV component production. Underscoring the scale of this industrial activity, Buhler Group reported a steady annual turnover of CHF 3.0 billion for the 2024 fiscal year in 2025, highlighting continuous global investment in advanced die casting technologies.

Market Challenge

The substantial initial capital expenditure required for specialized tooling and heavy-tonnage machinery serves as a major obstacle to the Global Die Casting Machines Market's growth. The high costs associated with procuring these industrial systems establish a significant barrier to entry, frequently preventing small and medium-sized enterprises from upgrading their facilities. This financial burden directly limits manufacturers' ability to implement efficient production technologies, subsequently retarding the market's capacity to satisfy the escalating volume requirements of the aerospace and automotive sectors.

Additionally, the instability of raw material and energy costs fosters an unpredictable operational climate that deters long-term capital investment. Faced with fluctuating operating expenses, manufacturers often postpone or cancel plans for new die casting equipment to conserve cash flow. This reluctance to allocate capital is reflected in recent industry data. According to the European Foundry Federation, the European Foundry Industry Sentiment Indicator fell to 94.3 points in October 2025. This decrease underscores the negative impact that ongoing economic uncertainty and cost pressures have on the sector's confidence and its readiness to commit to major machinery acquisitions.

Market Trends

The transition toward energy-efficient and sustainable casting processes is prompting manufacturers to substitute traditional hydraulic systems with fully electric or servo-hydraulic architectures that provide lower power consumption and precise control. This shift is gaining speed as foundries aim to comply with strict environmental standards while manufacturing complex, lightweight parts for the new energy vehicle industry. The industrial drive behind these high-performance technologies is evidenced by the swift sales increase of next-generation equipment. According to a July 2024 report by YIZUMI titled 'YIZUMI Celebrates a New Exciting Milestone of LEAP Series Models,' the sales revenue for the company's LEAP series die casting machines exceeded RMB 600 million, signaling strong market demand for advanced, energy-saving machinery.

Concurrently, the incorporation of smart manufacturing ecosystems and Industry 4.0 is transforming the market by instituting predictive maintenance protocols and data-driven operations. Foundries are increasingly deploying real-time process monitoring systems and digital twin interfaces to maximize equipment availability, minimize unplanned downtime, and lower scrap rates. This dependence on intelligent connectivity has spurred significant growth within the digital service divisions of leading technology providers, as producers look to optimize the efficiency of their existing fleets. As noted in Buhler Group's 'Annual Report 2024' released in February 2025, the company's Customer Service business, which includes retrofits and digital solutions, realized a turnover growth of 9.4%, illustrating the vital importance the sector now assigns to lifecycle management services.

Key Market Players

Buhler Group

L.K. Technology Holdings Limited

Shibaura Machine

Haitian Die Casting

Yizumi Holdings Co., Ltd.

ItalpresseGauss

Toyo Machine Manufacturing Co., Ltd

UBE Machinery Inc.

Birch Machinery Company

Guangdong Hongtu Technology (Holdings) Co., Ltd

Report Scope

In this report, the Global Die Casting Machines Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Die Casting Machines Market, By Machine Type

Cold Chamber Die Casting Machines and Hot Chamber Die Casting Machines

Die Casting Machines Market, By Industry

Automotive

3C Industry

and Others

Die Casting Machines Market, By Raw Material

Aluminum

Magnesium

and Others

Die Casting Machines 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 Die Casting Machines Market.

Available Customizations:

Global Die Casting Machines 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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL DIE CASTING MACHINES MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Machine Type (Cold Chamber Die Casting Machines and Hot Chamber Die Casting Machines)
 - 5.2.2. By Industry (Automotive, 3C Industry, and Others)
 - 5.2.3. By Raw Material (Aluminum, Magnesium, and Others)

- 5.2.4. By Region
- 5.2.5. By Company (2025)
- 5.3. Market Map

6. NORTH AMERICA DIE CASTING MACHINES MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Machine Type
 - 6.2.2. By Industry
 - 6.2.3. By Raw Material
 - 6.2.4. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Die Casting Machines Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Machine Type
 - 6.3.1.2.2. By Industry
 - 6.3.1.2.3. By Raw Material
 - 6.3.2. Canada Die Casting Machines Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Machine Type
 - 6.3.2.2.2. By Industry
 - 6.3.2.2.3. By Raw Material
 - 6.3.3. Mexico Die Casting Machines Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Machine Type
 - 6.3.3.2.2. By Industry
 - 6.3.3.2.3. By Raw Material

7. EUROPE DIE CASTING MACHINES MARKET OUTLOOK

- 7.1. Market Size & Forecast

- 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Machine Type
 - 7.2.2. By Industry
 - 7.2.3. By Raw Material
 - 7.2.4. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Die Casting Machines Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Machine Type
 - 7.3.1.2.2. By Industry
 - 7.3.1.2.3. By Raw Material
 - 7.3.2. France Die Casting Machines Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Machine Type
 - 7.3.2.2.2. By Industry
 - 7.3.2.2.3. By Raw Material
 - 7.3.3. United Kingdom Die Casting Machines Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Machine Type
 - 7.3.3.2.2. By Industry
 - 7.3.3.2.3. By Raw Material
 - 7.3.4. Italy Die Casting Machines Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Machine Type
 - 7.3.4.2.2. By Industry
 - 7.3.4.2.3. By Raw Material
 - 7.3.5. Spain Die Casting Machines Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast

- 7.3.5.2.1. By Machine Type
- 7.3.5.2.2. By Industry
- 7.3.5.2.3. By Raw Material

8. ASIA PACIFIC DIE CASTING MACHINES MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Machine Type
 - 8.2.2. By Industry
 - 8.2.3. By Raw Material
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Die Casting Machines Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Machine Type
 - 8.3.1.2.2. By Industry
 - 8.3.1.2.3. By Raw Material
 - 8.3.2. India Die Casting Machines Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Machine Type
 - 8.3.2.2.2. By Industry
 - 8.3.2.2.3. By Raw Material
 - 8.3.3. Japan Die Casting Machines Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Machine Type
 - 8.3.3.2.2. By Industry
 - 8.3.3.2.3. By Raw Material
 - 8.3.4. South Korea Die Casting Machines Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast

- 8.3.4.2.1. By Machine Type
- 8.3.4.2.2. By Industry
- 8.3.4.2.3. By Raw Material
- 8.3.5. Australia Die Casting Machines Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Machine Type
 - 8.3.5.2.2. By Industry
 - 8.3.5.2.3. By Raw Material

9. MIDDLE EAST & AFRICA DIE CASTING MACHINES MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Machine Type
 - 9.2.2. By Industry
 - 9.2.3. By Raw Material
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Die Casting Machines Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Machine Type
 - 9.3.1.2.2. By Industry
 - 9.3.1.2.3. By Raw Material
 - 9.3.2. UAE Die Casting Machines Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Machine Type
 - 9.3.2.2.2. By Industry
 - 9.3.2.2.3. By Raw Material
 - 9.3.3. South Africa Die Casting Machines Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast

- 9.3.3.2.1. By Machine Type
- 9.3.3.2.2. By Industry
- 9.3.3.2.3. By Raw Material

10. SOUTH AMERICA DIE CASTING MACHINES MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Machine Type
 - 10.2.2. By Industry
 - 10.2.3. By Raw Material
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Die Casting Machines Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Machine Type
 - 10.3.1.2.2. By Industry
 - 10.3.1.2.3. By Raw Material
 - 10.3.2. Colombia Die Casting Machines Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Machine Type
 - 10.3.2.2.2. By Industry
 - 10.3.2.2.3. By Raw Material
 - 10.3.3. Argentina Die Casting Machines Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Machine Type
 - 10.3.3.2.2. By Industry
 - 10.3.3.2.3. By Raw Material

11. MARKET DYNAMICS

- 11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. GLOBAL DIE CASTING MACHINES MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

14.1. Competition in the Industry

14.2. Potential of New Entrants

14.3. Power of Suppliers

14.4. Power of Customers

14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. BÜhler Group

15.1.1. Business Overview

15.1.2. Products & Services

15.1.3. Recent Developments

15.1.4. Key Personnel

15.1.5. SWOT Analysis

15.2. L.K. Technology Holdings Limited

15.3. Shibaura Machine

15.4. Haitian Die Casting

15.5. Yizumi Holdings Co., Ltd.

15.6. ItaipresseGauss

15.7. Toyo Machine Manufacturing Co., Ltd

15.8. UBE Machinery Inc.

15.9. Birch Machinery Company

15.10. Guangdong Hongtu Technology (Holdings) Co., Ltd

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Die Casting Machines Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Machine Type (Cold Chamber Die Casting Machines and Hot Chamber Die Casting Machines), By Industry (Automotive, 3C Industry, and Others), By Raw Material (Aluminum, Magnesium, and Others), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/D5B65EBAC75EEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D5B65EBAC75EEN.html>