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Mexico Die Casting Market Size, Share, Trends and Forecast by Process, Raw Material, Application, and Region, 2026-2034

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Abstracts

The Mexico die casting market size reached USD 898.6 Million in 2025 . Looking forward, IMARC Group expects the market to reach USD 1,719.0 Million by 2034 , exhibiting a growth rate (CAGR) of 7.25 % during 2026-2034 . The market is driven by the increasing demand for light and robust metal parts in industries like the automotive sector, aerospace, and electronics. In addition to this, the automation trend and technological innovations in die casting processes also fuel the growth of the market, allowing for more accurate and efficient manufacturing. Moreover, advantageous trade agreements, such as the USMCA, combined with its strategic location near the U.S. market, continue to attract foreign investments, which are augmenting the Mexico die casting market share.

MEXICO DIE CASTING MARKET ANALYSIS:

Major Drivers: The increasing automotive industry demand for lightweight components, particularly electric vehicle battery housings and structural parts is impelling the market demand. Strategic location benefits under USMCA trade agreements attract foreign investments, while nearshoring trends boost manufacturing capacity expansion significantly.

Key Market Trends: Technological automation integration including Industry 4.0 and IoT systems enhances production efficiency and quality control. The Mexico die casting market outlook indicates rising adoption of high-pressure die casting and vacuum processes for precision components in aerospace and electronics applications.

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Market Challenges: Rising raw material costs, particularly aluminum and zinc, impact profitability margins. Labor shortage concerns and increasing energy costs present operational challenges, while environmental regulations require investments in cleaner production technologies and waste management systems across facilities.

Market Opportunities: Electric vehicle transition creates substantial demand for lightweight battery enclosures and motor housings. Infrastructure development projects and renewable energy sector expansion offer new application opportunities, while advanced manufacturing technologies enable higher value-added component production capabilities.

MEXICO DIE CASTING MARKET TRENDS:

Increasing Demand from the Automotive Sector

The automotive industry is a primary driver for the development of the market in Mexico. According to industry reports, the sales of electric and plug-in hybrid vehicles (EVs and PHEVs) in Mexico's automotive industry have seen a significant upsurge, representing an increase of 83.8% in 2024 from 2023. This surge in electric and hybrid vehicle production directly contributes to the demand for high-performance, lightweight components, a trend that is accelerating the use of die casting technologies in Mexico. Die casting enables the production of complex shapes and intricate designs, which are essential for automotive applications such as engine blocks, transmission components, and structural parts. The Mexico die casting market forecast remains positive as automakers increasingly prioritize weight reduction for enhanced fuel efficiency and emission compliance . Moreover, the EV trend is further accelerating demand for high-quality, precision die-cast components applied in battery cases, motor housings, and chassis items. Mexico, as a key automaker manufacturing hub, is enhanced by its strategic location next to the U.S. market and its low-cost labor and production base. The demand in the market will continue to increase as both new entrants and established automakers raise production within the nation to serve the needs of North America's market.

Technological Advancements and Automation in Die Casting

Technological developments and automation are playing a key role in propelling the Mexico die casting market growth. The merging of Industry 4.0 with technologies like

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robotics, artificial intelligence (AI), and the Internet of Things (IoT) is enhancing manufacturing efficiency, accuracy, and quality of die-cast products. According to an industry report, the market for industrial IoT market in Mexico is expected to reach USD 11.9 Billion by 2033, exhibiting a growth rate (CAGR) of 13.10% during 2025-2033. This suggests the extensive application of networked systems in the manufacturing industry. These technologies are allowing manufacturers to maximize production cycles while maintaining consistent quality standards, directly supporting the positive market outkook. In addition to this, new die casting technologies like HPDC and squeeze casting are also widely used to obtain better material properties and closer tolerances. Automation not only improves productivity but also helps fill labor gaps and escalating labor costs in the area. Furthermore, the use of real-time monitoring and predictive maintenance via connected systems guarantees improved equipment performance and downtime reduction. As Mexican industries persist in adopting automation, these advanced technologies are set to raise Mexico's competitiveness in the international market.

Nearshoring and Trade Agreement Benefits

The Mexico Die Casting Market Outlook is significantly enhanced by strategic nearshoring initiatives and favorable trade agreements, particularly the USMCA (United States-Mexico-Canada Agreement). International companies are increasingly relocating production facilities to Mexico to capitalize on proximity to North American markets, reduced logistics costs, and streamlined supply chains. This nearshoring trend has attracted substantial foreign direct investment in manufacturing infrastructure, creating increased demand for high-quality die-cast components across multiple industries. Mexico's competitive labor costs, combined with skilled workforce availability and established industrial zones, make it an attractive destination for die casting operations. The country's well-developed transportation network and port facilities enable efficient distribution of finished products throughout North America. Additionally, Mexico's participation in various free trade agreements beyond USMCA, including partnerships with European and Asian markets, provides die casting manufacturers with access to diverse export opportunities. These strategic advantages position Mexico as a critical hub for die casting production, supporting sustained market growth and industrial competitiveness in the global manufacturing landscape.

MEXICO DIE CASTING MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has

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categorized the market based on process, raw material, and application.

Process Insights:

- Pressure Die Casting
- Vacuum Die Casting
- Squeeze Die Casting
- Others

The report has provided a detailed breakup and analysis of the market based on the process. This includes pressure die casting, vacuum die casting, squeeze die casting, and others.

Raw Material Insights:

- Aluminum
- Magnesium
- Zinc

A detailed breakup and analysis of the market based on the raw material have also been provided in the report. This includes aluminum, magnesium, and zinc.

Application Insights:

- Automobile:
  - Body Parts
  - Engine Parts
  - Transmission Parts

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- Others
- Heavy Equipment:
  - Construction
  - Farming
  - Mining
- Machine Tools
- Plant Machinery:
  - Chemical Plants
  - Petroleum Plants
  - Thermal Plants
  - Paper
  - Textile
  - Others
- Municipal Castings:
  - Valves and Fittings and Pipes

The report has provided a detailed breakup and analysis of the market based on the application. This includes automobile (body parts, engine parts, transmission parts, and others), heavy equipment (construction, farming, and mining), machine tools, plant machinery (chemical plants, petroleum plants, thermal plants, paper, textile, and others), municipal castings (valves and fittings and pipes), and others.

Regional Insights:

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Northern Mexico

Central Mexico

Southern Mexico

The report has also provided a comprehensive analysis of all the major regional markets, which include Northern Mexico, Central Mexico, Southern Mexico, and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

Frequently Asked Questions About the Mexico Die Casting Market Report
1.How big is the die casting market in Mexico?
2.What is the future outlook of the die casting market in Mexico?
3.What are the key factors driving Mexico die casting market?

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