

Plastic Injection Moulding Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Raw Material Type (Polypropylene, Acrylonitrile Butadiene Styrene (ABS), Polystyrene, Polyethylene, Polyvinyl Chloride (PVC), Polycarbonate, Polyamide, Other), Application (Packaging, Building and Construction, Consumer Goods, Electronics, Automotive and Transportation, Healthcare, Other), By Region & Competition, 2020-2030F

<https://marketpublishers.com/r/P8F2B8D6B7DDEN.html>

Date: April 2025

Pages: 186

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

ID: P8F2B8D6B7DDEN

Abstracts

Market Overview

The Global Plastic Injection Moulding Market was valued at USD 13.2 billion in 2024 and is projected to reach USD 16.8 billion by 2030, growing at a CAGR of 3.9%. This market's expansion is largely fueled by demand from sectors such as packaging, automotive, healthcare, consumer electronics, and construction. In packaging, the widespread use of plastic containers and films in food, beverage, and pharmaceutical industries is a key growth driver. The automotive industry increasingly adopts lightweight plastic parts to enhance fuel efficiency and comply with emission standards. The medical sector's growing reliance on sterile, single-use plastic devices further contributes to market momentum. Consumer electronics benefit from injection moulding's precision in producing compact components, while the construction sector sees rising usage in plastic-based fittings and insulation. Technological innovations like automation, AI integration, and 3D printing have streamlined production, while

sustainability initiatives are pushing the adoption of biodegradable and recycled plastics, solidifying the market's global growth trajectory.

Key Market Drivers

Rising Demand from Packaging and Consumer Goods Industries

The packaging sector stands as a major driver of the plastic injection moulding market, driven by the need for cost-effective, lightweight, and durable materials. This technology is extensively used for manufacturing bottles, containers, films, and pouches across various industries. The food and beverage segment, in particular, demands solutions that ensure product longevity, tamper-resistance, and environmental compliance. Similarly, the pharmaceutical sector relies on precise and sterile packaging for products like syringes and vials. The growing e-commerce industry further amplifies demand for protective and lightweight packaging suited for efficient logistics. Customization and visual appeal in packaging also play a vital role in boosting adoption.

In parallel, the consumer goods segment significantly supports market growth through its demand for robust, visually appealing, and economically produced plastic items in categories such as household products, toys, and personal care. Injection moulding is preferred for its high-volume capacity, detailed designs, and minimal material waste. Moreover, the shift towards recyclable and biodegradable plastics in packaging aligns with evolving environmental regulations and sustainability goals.

Key Market Challenges

Environmental Concerns and Stringent Regulations on Plastic Usage

Environmental sustainability poses a key challenge for the global plastic injection moulding market. The increasing concerns about plastic waste and its ecological impact have prompted governments worldwide to implement stricter regulations targeting single-use plastics and promoting recycling. Policies like the EU's Single-Use Plastics Directive and the U.S. Plastics Pact are pushing the industry to transition toward eco-friendly practices.

Manufacturers are under growing pressure to incorporate recycled or biodegradable materials, which often present issues such as higher production costs, inconsistent quality, and limited availability. Additionally, some biodegradable plastics require specialized processing environments, complicating integration into standard operations.

Compliance with these evolving standards often necessitates significant financial investment, including retooling production lines, upgrading equipment, and workforce training. These adaptations, while essential for environmental compliance, can strain operational efficiency and increase the cost burden, especially for small and medium-sized enterprises.

Key Market Trends

Increasing Adoption of Sustainable and Recyclable Plastics

The push for environmental sustainability is a defining trend in the plastic injection moulding market, with a notable shift toward using recyclable, biodegradable, and bio-based plastics. Rising global awareness about pollution and regulatory pressure are prompting manufacturers to reduce their reliance on traditional petroleum-based plastics.

Companies are investing in bioplastics made from renewable sources such as corn starch and sugarcane, which offer functional parity with conventional plastics while breaking down more efficiently in the environment. Furthermore, advancements in recycling technologies are allowing greater reuse of plastic waste, particularly through the integration of post-consumer recycled and ocean-bound plastics. These materials are gaining traction across various industries, including packaging, automotive, and electronics, not only for their sustainability benefits but also as a response to growing consumer demand for environmentally responsible products.

Key Market Players

Magna International Inc.

Toshiba Corporation

DOW Inc.

LyondellBasell Industries N.V.

HTI Plastics, Inc.

DuPont de Nemours, Inc.

Valder Kunststoffverarbeitungs GmbH

Huntsman Corporation

Coastal Plastic Molding Inc.

BASF SE

Report Scope:

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

Plastic Injection Moulding Market, By Raw Material Type:

Polypropylene

Acrylonitrile Butadiene Styrene (ABS)

Polystyrene

Polyethylene

Polyvinyl Chloride (PVC)

Polycarbonate

Polyamide

Other

Plastic Injection Moulding Market, By Application:

Packaging

Building and Construction

Consumer Goods

Electronics

Automotive and Transportation

Healthcare

Other

Plastic Injection Moulding Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Colombia

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Plastic Injection Moulding Market.

Available Customizations:

Global Plastic Injection Moulding 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, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL PLASTIC INJECTION MOULDING MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Raw Material Type (Polypropylene, Acrylonitrile Butadiene Styrene (ABS), Polystyrene, Polyethylene, Polyvinyl Chloride (PVC), Polycarbonate, Polyamide, Other)
 - 5.2.2. By Application (Packaging, Building and Construction, Consumer Goods, Electronics, Automotive and Transportation, Healthcare, Other)

- 5.2.3. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)
- 5.3. By Company (2024)
- 5.4. Market Map

6. NORTH AMERICA PLASTIC INJECTION MOULDING MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Raw Material Type
 - 6.2.2. By Application
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Plastic Injection Moulding 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 Raw Material Type
 - 6.3.1.2.2. By Application
 - 6.3.2. Canada Plastic Injection Moulding 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 Raw Material Type
 - 6.3.2.2.2. By Application
 - 6.3.3. Mexico Plastic Injection Moulding 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 Raw Material Type
 - 6.3.3.2.2. By Application

7. EUROPE PLASTIC INJECTION MOULDING MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Raw Material Type

7.2.2. By Application

7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. Germany Plastic Injection Moulding 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 Raw Material Type

7.3.1.2.2. By Application

7.3.2. France Plastic Injection Moulding 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 Raw Material Type

7.3.2.2.2. By Application

7.3.3. United Kingdom Plastic Injection Moulding 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 Raw Material Type

7.3.3.2.2. By Application

7.3.4. Italy Plastic Injection Moulding 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 Raw Material Type

7.3.4.2.2. By Application

7.3.5. Spain Plastic Injection Moulding 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 Raw Material Type

7.3.5.2.2. By Application

8. ASIA PACIFIC PLASTIC INJECTION MOULDING MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

- 8.2.1. By Raw Material Type
- 8.2.2. By Application
- 8.2.3. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Plastic Injection Moulding 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 Raw Material Type
 - 8.3.1.2.2. By Application
 - 8.3.2. India Plastic Injection Moulding 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 Raw Material Type
 - 8.3.2.2.2. By Application
 - 8.3.3. Japan Plastic Injection Moulding 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 Raw Material Type
 - 8.3.3.2.2. By Application
 - 8.3.4. South Korea Plastic Injection Moulding 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 Raw Material Type
 - 8.3.4.2.2. By Application
 - 8.3.5. Australia Plastic Injection Moulding 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 Raw Material Type
 - 8.3.5.2.2. By Application

9. MIDDLE EAST & AFRICA PLASTIC INJECTION MOULDING MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value

- 9.2. Market Share & Forecast
 - 9.2.1. By Raw Material Type
 - 9.2.2. By Application
 - 9.2.3. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Plastic Injection Moulding 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 Raw Material Type
 - 9.3.1.2.2. By Application
 - 9.3.2. UAE Plastic Injection Moulding 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 Raw Material Type
 - 9.3.2.2.2. By Application
 - 9.3.3. South Africa Plastic Injection Moulding 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 Raw Material Type
 - 9.3.3.2.2. By Application

10. SOUTH AMERICA PLASTIC INJECTION MOULDING MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Raw Material Type
 - 10.2.2. By Application
 - 10.2.3. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Plastic Injection Moulding 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 Raw Material Type
 - 10.3.1.2.2. By Application

10.3.2. Colombia Plastic Injection Moulding 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 Raw Material Type

10.3.2.2.2. By Application

10.3.3. Argentina Plastic Injection Moulding 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 Raw Material Type

10.3.3.2.2. By Application

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS AND DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. COMPANY PROFILES

13.1. Magna International Inc.

13.1.1. Business Overview

13.1.2. Key Revenue and Financials

13.1.3. Recent Developments

13.1.4. Key Personnel

13.1.5. Key Product/Services Offered

13.2. Toshiba Corporation

13.3. DOW Inc.

13.4. LyondellBasell Industries N.V.

13.5. HTI Plastics, Inc.

13.6. DuPont de Nemours, Inc.

13.7. Valder Kunststoffverarbeitungs GmbH

13.8. Huntsman Corporation

13.9. Coastal Plastic Molding Inc.

13.10. BASF SE

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: Plastic Injection Moulding Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Raw Material Type (Polypropylene, Acrylonitrile Butadiene Styrene (ABS), Polystyrene, Polyethylene, Polyvinyl Chloride (PVC), Polycarbonate, Polyamide, Other), Application (Packaging, Building and Construction, Consumer Goods, Electronics, Automotive and Transportation, Healthcare, Other), By Region & Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/P8F2B8D6B7DDEN.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/P8F2B8D6B7DDEN.html>