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Plastic Injection Molding Machine Market by Machine Type (Hydraulic, All-Electric, Hybrid), Clamping Force (0-200, 201-500, Above 500), End-Use Industry (Packaging, Automotive, Consumer Goods, Packaging, Healthcare), and Region - Global Forecast to 2030

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Abstracts

In terms of value, the plastic injection molding machine market is estimated to grow from USD 11.98 billion in 2024 to USD 14.78 billion by 2030, at a CAGR of 3.56%. Favorable regulations and policies by the government towards recycling and eco-friendly manufacturing are positive influencing the plastic injection molding market. Various countries have created regulations that encourage manufacturers to reduce plastic waste and employ eco-friendly production. These changes promote the creation of equipment to handle recycled material without degrading its quality, enabling manufacturers to help with the circular economy. Regulations that do not allow single-use plastics are driving the demand for plastic injection molding machines. This further encourages businesses to invest in equipment that would produce recyclable and biodegradable alternatives.

“Above 500 Tons Force segment is projected to be the third-fastest growing segment of plastic injection molding machine market, during the forecast period”

Above 500 Tons Force segment is estimated to be the third-fastest growing segment of plastic injection molding machine market, during the forecast period. The demand of plastic injection molding machines with over 500 tons of clamping force is increasing with the growing requirement of the packaging industry, in products like drums, and high-capacity, long-lasting plastic containers. As logistics and storage requirements evolve,

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there is an increased need for large storage bins, pallets, crates, and bulk containers for transport and storage purposes. Large, thick-walled items that must withstand severe handling and climatic conditions can be produced with high-tonnage machines without sacrificing quality.

“Hybrid segment was the third-largest machine type of plastic injection molding machine market, in terms of value, in 2023.”

Hybrid segment stands as the third-largest machine type in the plastic injection molding machine market. Hybrid machines ensure continuity in production through reduced stress on the components, which is especially crucial for industries with high output requirements. Reduced needs for maintenance will improve productivity, and the resulting downtimes are low. The feature elevates hybrid machines as a trusted alternative that reduces maintenance costs, with fewer operating interruptions since manufacturers value uptime.

“Packaging segment was the third largest end-use industry of plastic injection molding machine market, in terms of value, in 2023.”

Packaging segment stands as the third-largest end-use industry in the plastic injection molding machine market. The packaging industry is constantly being forced to adopt sustainable practices due to rising global environmental awareness on the recyclable and non-waste materials and processes used. These machines ensure efficient production with minimal impacts on the environment through the optimization of cycle times, energy consumption, and raw material usage. The demand for advanced injection molding equipment that can work with recycled and biodegradable polymers has increased due to the demand for sustainable packaging solutions, making sustainability a key driver of injection molding's expansion in the packaging sector.

“Europe was the second largest region in the plastic injection molding machine market, in terms of value.”

Europe was the second-largest region in the plastic injection molding machine market, in terms of value, in 2023. The plastic injection molding machine market in the region is comparatively mature, growing slower than the developing markets in the Asia-Pacific region and North America. Europe is one of the expensive industrial landscapes in the world, and hence, production processes must be optimized using smart manufacturing. The application of smart manufacturing in optimizing the production process would be highly effective for manufacturers in boosting productivity and saving costs. Additionally,

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Furthermore, robotics and automation in injection molding ensure high-quality results and minimize errors and human interference.

By Company Type: Tier 1 - 55%, Tier 2 - 25%, and Tier 3 - 20%

By Designation: Directors - 50%, Managers - 30%, and Others - 20%

By Region: North America - 40%, Europe - 35%, Asia Pacific - 20%, Rest of World – 5%

The key players profiled in the report include Haitian International Holdings Limited (China), Chen Hsong Holdings Ltd. (China), Engel Austria GmbH (Austria), Sumitomo Heavy Industries Limited (Japan), Hillenbrand, Inc. (US), Japan Steel Works Ltd. (Japan), Arburg GmbH (Germany), Nissei Plastic Industrial Co., Ltd. (Japan), Husky Injection Molding Systems Ltd. (Canada), and KraussMaffei Group GmbH (Germany).

Research Coverage

This report segments the market for plastic injection molding machine based on machine type, clamping force, end-use industry, and region and provides estimations of value (USD Million) for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, services, and key strategies, associated with the market for plastic injection molding machine.

Reasons to Buy this Report

This research report is focused on various levels of analysis — industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view of the competitive landscape, emerging and high-growth segments of the plastic injection molding machine market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on plastic injection molding machine offered by top players in the global market

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Analysis of key drivers: (Increasing demand from packaging industry, rising awareness about energy savings, growth in automotive sector and new developments in plastic injection molding technology), restraints (high initial and maintenance cost of machines), opportunities (demand from healthcare industry, rising trend of electric vehicles and demand for large-tonnage plastic injection molding machines), and challenges (high heating and hydraulic pressure, less economical for small production capacities) influencing the growth of plastic injection molding machine market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the plastic injection molding machine market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for plastic injection molding machine across regions.

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global plastic injection molding machine market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the plastic injection molding machine market

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