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Global Three Platen Electric Injection Molding Machine Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Three Platen Electric Injection Molding Machine market size was valued at US$ 956 million in 2025 and is forecast to a readjusted size of US$ 1541 million by 2032 with a CAGR of 7.0% during review period.

In 2025, global Three Platen Electric Injection Molding Machine production reached approximately 2.3k units, with an average global market price of around US$400k per unit.

A three-platen electric injection molding machine is an injection molding system that uses a three-platen clamping structure (commonly a tie-bar + toggle-based three-platen design) for mold open/close and locking, while relying primarily on servo-electric drives for clamp, injection, plasticizing, and ejection functions. Compared with hydraulic machines, electric drives typically deliver higher repeatability, cleaner operation, lower energy consumption, and lower noise—well-suited for precision and clean molding applications.

Upstream spans mechanics and materials (castings/frame, high-strength tie bars, platens & guide components, ball screws/linear guides, bearings & seals), electric drive and controls (servo motors, drives, PLC/controller, encoders), plasticizing and thermal systems (screw & barrel, heaters, temperature control, dryers/feeders), plus auxiliary hydraulics/lubrication (some hybrid configurations still exist for specific functions). Representative suppliers/examples include SKF (bearings), THK/HIWIN (linear motion), Bosch Rexroth (drives & controls), and broader transmission ecosystems. Midstream consists of injection molding machine OEMs and integrators (e.g., Yizumi, Haitian,

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ENGEL, KraussMaffei) providing machine design, control software, commissioning and service; downstream demand comes from molded-part manufacturers serving automotive components, consumer electronics/3C, medical products, packaging, appliances and general consumer goods.

The three-platen electric injection molding machine market is characterized by rising electrification penetration, parallel pushes toward precision and high-speed cycles, and increasing turnkey delivery with integrated automation. Demand for tighter dimensional consistency, stable processes, cleaner production, and energy management highlights the advantages of servo-electric drives in repeatability, noise reduction, and efficiency. Meanwhile, trends such as thin-wall packaging, miniaturized consumer electronics, and lightweight automotive parts keep raising the bar for clamping response, injection speed, closed-loop control, and robust process windows. Key drivers include stricter quality/yield requirements, higher labor and management costs encouraging automation, and stronger energy/cleanliness expectations. Headwinds include higher upfront CAPEX versus hydraulic machines and greater requirements on high-performance electric components and maintenance capability; in large-tonnage or specialized-process applications, the optimal balance between electrification, cost, and robustness often still depends on hybrid architectures and strong system engineering, while price competition and delivery-cycle volatility can pressure OEM profitability.

This report is a detailed and comprehensive analysis for global Three Platen Electric Injection Molding Machine market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Three Platen Electric Injection Molding Machine market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Three Platen Electric Injection Molding Machine market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

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Global Three Platen Electric Injection Molding Machine market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Three Platen Electric Injection Molding Machine market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Three Platen Electric Injection Molding Machine
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Three Platen Electric Injection Molding Machine market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sumitomo Demag, Krauss Maffei, Arburg, Engel, Fanuc, Husky Technologies, Nissei Plastic, Ferromatik Milacron, Shibaura Machine, Sino Holdings, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Three Platen Electric Injection Molding Machine market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Small

Medium

Large

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Market segment by Driving Method

All-electric

Hybrid

Market segment by Tonnage

30-100 Tons

100-300 Tons

300-600 Tons

600-1000 Tons

?1000 Tons

Market segment by Application

Home Appliances

Automotive

Medical

3C Electronics

General Plastic

Others

Major players covered

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Sumitomo Demag

Krauss Maffei

Arburg

Engel

Fanuc

Husky Technologies

Nissei Plastic

Ferromatik Milacron

Shibaura Machine

Sino Holdings

Physis Technology

Borch Machinery

Haitian International Holdings

Fu Chun Shin Machinery

Yizumi Precision Machinery

Sheng Wo Plastic Machinery

Chen Hsong Machinery

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Three Platen Electric Injection Molding Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Three Platen Electric Injection Molding Machine, with price, sales quantity, revenue, and global market share of Three Platen Electric Injection Molding Machine from 2021 to 2026.

Chapter 3, the Three Platen Electric Injection Molding Machine competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Three Platen Electric Injection Molding Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Three Platen Electric Injection Molding Machine market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Three Platen Electric Injection Molding Machine.

Chapter 14 and 15, to describe Three Platen Electric Injection Molding Machine sales channel, distributors, customers, research findings and conclusion.

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