

Plastic Injection Molding Machine Market: Segmented by Type (Electric, Hybrid and Hydraulic), By End user (Automotive, Medical, Consumer goods, Electronics and Others), and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

[178 + Pages Research Report] Global Plastic Injection Molding Machine Market to surpass USD 13.2 billion by 2030 from USD 9.1 billion in 2020 at a CAGR of 4.6% in the coming years, i.e., 2021-30.

Product Overview

A plastic injection molding machine is a machine that is used to inject plastic materials into moulds. An injection unit and a clamping unit are the two main components. Plastic injection molding machines make parts by injecting molten material into a mould, which then cools and hardens to form around the shape of the cavity. Plastic injection molding is used to make a variety of plastic products, from medical equipment to toys. Plastic injection molding is used to make several components in the aerospace and automobile industries.

Market Highlights

Global Plastic Injection Molding Machine market is expected to project a notable CAGR of 4.6% in 2030.

The growing need for injection molding machines in end-use sectors like automotive, consumer products, packaging, healthcare, electrical & electronics, and others is driving the market. The injection molding machine market will be driven by factors such as

rising demand from the healthcare industry, fast industrialization in developing economies such as China, India, and Thailand, and rising need for plastic moulds in electric vehicles. Over the projected period, rapid development in the use of plastic parts in the automotive industry, owing to their lighter weight and lower cost is expected to drive the market for plastic injection molding machines. Market expansion is projected to be aided by advancements in the production of injection molding machines that can produce complicated products at fast speeds and in huge quantities.

Global Plastic Injection Molding Machine: Segments

Hydraulic injection molding segment to grow with the highest CAGR during 2020-30

Global Plastic Injection Molding Machine market is segmented by type into Electric, Hybrid and Hydraulic. In the plastic injection molding machine business, the hydraulic injection molding machine had the largest market share. Because of its extended service life and wide range of applications, the hydraulic injection molding machine is the most frequent machine type.

Automotive segment to grow with the highest CAGR during 2020-30

Global Plastic Injection Molding Machine market is divided by end user into Automotive, Medical, Consumer goods, Electronics and Others. Over the forecast period, the Automotive segment is projected to expand at the fastest pace because plastic injection molding machines are mostly utilized in the manufacturing of vehicle exteriors, car lenses, interior components, under-the-hood components, and filtration components, the automotive sector is likely to be the largest end-user industry in the market.

Market Dynamics

Drivers

Cost effectiveness and technical advancements

Plastic injection molding machines are a cost-effective and energy-efficient way to mass-produce plastic items. Plastic demand is predicted to grow in the automotive, packaging, home appliance, and other end-user industries, propelling the industry forward. The injection molding method has improved, making mass manufacture of complex plastic structures easier and more efficient. The industry will grow because construction spending has surged in important emerging markets. The Plastic Injection Molding Machine Market is likely to benefit from technological improvements such as IoT-enabled injection molding machines and software-assisted injection molding

machines.

Awareness regarding energy conservation and high efficiency

Around the world, people are becoming more aware of the importance of conserving energy. As a result, demand for all-electric injection molding equipment is expanding. The all-electric plastic injection molding machine is the most popular. The major reasons are its numerous benefits, which include energy savings, enhanced precision and reusability, inexpensive maintenance and high speed. In terms of efficiency, dependability, cost savings, cycle time savings, and reusability, all-electric injection molding machines surpass hydraulic machines.

Restraint

Environmental concerns associated with the market and high machinery cost

The increased environmental concerns regarding the disposal of by-products, trash, and VOCs, as well as fluctuating pricing of raw materials such as benzene, propylene, ethylene, and styrene, could stymie plastic manufacturing and eventually limit market growth. In addition, the maintenance costs, as well as the initial high cost of machines, may stifle market expansion. Furthermore, the availability of alternatives such as 3D printing, urethane casting, and thermoforming is projected to limit the Plastic Injection Molding Machine Market's growth.

Global Plastic Injection Molding Machine: Key Players

Arburg GmbH & Co. KG

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Boco Pardubice Machines S.R.O.

Borche North America Inc.

Chen Hsong Holdings Limited

Dongshin Hydraulic Co. Ltd.

Dr. Boy GmbH & Co. KG

Engel Austria GmbH

Fu Chun Shin Machinery Manufacture Co. Ltd.

Haitian International Holdings Limited and Hillenbrand, Inc

Other Prominent Players

Global Plastic Injection Molding Machine: Regions

Global Plastic Injection Molding Machine market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific, and the Middle East and Africa. The market in APAC is expected to hold highest CAGR over the forecasted period. APAC is home to a slew of fast-growing industries, including machinery manufacturing, automotive, and electronics, all of which present chances for manufacturers, hence propelling the market forward.

Global Plastic Injection Molding Machine is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Plastic Injection Molding Machine report also contains analysis on:

Plastic Injection Molding Machine Segments:

By Type

Electric

Hybrid

Hydraulic

By End-User

Automotive

Medical

Consumer goods

Electronics

Others

Plastic Injection Molding Machine Dynamics

Plastic Injection Molding Machine Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Plastic Injection Molding Machine Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2020 USD 9.1 billion

Revenue forecast in 2030 USD 13.2 billion

Growth Rate CAGR of 4.6% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Type, end-user and Region

Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)

Key companies profiled Arburg GmbH & Co. KG, Boco Pardubice Machines S.R.O., Borsche North America Inc., Chen Hsong Holdings Limited, Dongshin Hydraulic Co. Ltd., Dr. Boy GmbH & Co. KG, Engel Austria GmbH, Fu Chun Shin Machinery Manufacture Co. Ltd., Haitian International Holdings Limited and Hillenbrabd, Inc and Other Prominent Players.

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL PLASTIC INJECTION MOLDING MACHINE MARKET

- 2.1. Product Overview
- 2.2. Market Definition
- 2.3. Segmentation
- 2.4. Assumptions and Acronyms

3. RESEARCH METHODOLOGY

- 3.1. Research Objectives
- 3.2. Primary Research
- 3.3. Secondary Research
- 3.4. Forecast Model
- 3.5. Market Size Estimation

4. AVERAGE PRICING ANALYSIS

5. MACRO-ECONOMIC INDICATORS

6. MARKET DYNAMICS

- 6.1. Growth Drivers
- 6.2. Restraints
- 6.3. Opportunity
- 6.4. Trends

7. CORRELATION & REGRESSION ANALYSIS

- 7.1. Correlation Matrix
- 7.2. Regression Matrix

8. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE

9. RISK ANALYSIS

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

10. GLOBAL PLASTIC INJECTION MOLDING MACHINE MARKET ANALYSIS

10.1. Porters Five Forces

10.1.1. Threat of New Entrants

10.1.2. Bargaining Power of Suppliers

10.1.3. Threat of Substitutes

10.1.4. Rivalry

10.2. PEST Analysis

10.2.1. Political

10.2.2. Economic

10.2.3. Social

10.2.4. Technological

11. GLOBAL PLASTIC INJECTION MOLDING MACHINE MARKET

11.1. Market Size & forecast, 2020A-2030F

11.1.1. By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

11.1.2. By Volume (Million Units) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12. GLOBAL PLASTIC INJECTION MOLDING MACHINE MARKET: MARKET SEGMENTATION

12.1. By Regions

12.1.1. North America:(U.S. and Canada), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.2. Latin America: (Brazil, Mexico, Argentina, Rest of Latin America), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.3. Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.4. Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.5. Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of Middle East and Africa), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2. By Type : Market Share (2020-2030F)

12.2.1. Electric, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.2. Hybrid, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.3. Hydraulic, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.3. By End User: Market Share (2020-2030F)

12.3.1. Automotive, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.2. Medical, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.3.3. Consumer goods, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.4. Electronics, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.5. Other, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
Company Profile

1. ARBURG GMBH & CO. KG

1. COMPANY OVERVIEW

2. COMPANY TOTAL REVENUE (FINANCIALS)

3. MARKET POTENTIAL

4. GLOBAL PRESENCE

5. KEY PERFORMANCE INDICATORS

6. SWOT ANALYSIS

7. PRODUCT LAUNCH

2. BOCO PARDUBICE MACHINES S.R.O.

3. BORCHE NORTH AMERICA INC.

4. CHEN HSONG HOLDINGS LIMITED

5. DONGSHIN HYDRAULIC CO. LTD.

6. DR. BOY GMBH & CO. KG

7. ENGEL AUSTRIA GMBH

8. FU CHUN SHIN MACHINERY MANUFACTURE CO. LTD.

9. HAITIAN INTERNATIONAL HOLDINGS LIMITED AND HILLENBRABD, INC.

10. OTHER PROMINENT PLAYERS

Consultant Recommendation

****The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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