

Extrusion Machinery Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Single- Screw, Twin-Screw), By Material (Metals, Polymers, Concrete, Ceramics, Foodstuffs), By Process, By End- Use

<https://marketpublishers.com/r/EAC4F912EF28EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: EAC4F912EF28EN

Abstracts

The Extrusion Machinery Market is valued at USD 10.3 billion in 2025 and is projected to grow at a CAGR of 5.3% to reach USD 16.3 billion by 2034.

Extrusion Machinery Market Overview

The global extrusion machinery market is experiencing steady growth, driven by rising demand across industries such as packaging, construction, automotive, and consumer goods. Extrusion machinery plays a crucial role in manufacturing plastic, metal, and composite products with high precision, efficiency, and scalability. As industries shift towards automation and energy-efficient production methods, manufacturers are investing in advanced extrusion technologies that enhance output quality while reducing operational costs. The increasing use of recycled materials and biodegradable polymers in extrusion processes is further propelling market expansion, as sustainability becomes a key priority. Additionally, rapid urbanization and infrastructure development in emerging economies are fueling demand for extruded products such as pipes, profiles, and sheets, boosting the need for high-performance extrusion machinery. With continuous technological advancements, including AI-driven process optimization and IoT-enabled smart machinery, the industry is poised for long-term growth. The extrusion machinery market has witnessed significant developments, particularly in automation and digitalization. The adoption of Industry 4.0 technologies, including real-time data monitoring and predictive maintenance, has enhanced production efficiency and minimized downtime. Manufacturers have also introduced energy-efficient extruders

that optimize heat and material usage, reducing overall energy consumption and carbon footprints. Additionally, the demand for multi-layer extrusion technology has surged, particularly in the packaging industry, where high-barrier films and advanced composites are gaining traction. The construction sector has seen increased adoption of extruded products such as polymer-based window profiles, pipes, and panels, further driving machinery sales. Furthermore, the rising integration of robotics and AI-assisted quality control mechanisms in extrusion processes is improving product consistency and reducing material waste. As global supply chains recover from previous disruptions, the demand for customized extrusion machinery solutions tailored to specific industry needs is also on the rise. The extrusion machinery market is expected to undergo transformative changes with the integration of smart manufacturing and digital twin technologies. AI-driven process control systems will further enhance precision and efficiency, allowing manufacturers to achieve higher throughput with minimal waste. The growing emphasis on circular economy principles will drive innovations in recycling-compatible extrusion technologies, enabling seamless processing of post-consumer materials. Hybrid extrusion techniques, combining additive manufacturing with traditional extrusion, will gain traction, unlocking new possibilities in lightweight structures and complex geometries. Additionally, the expansion of electric and hybrid extrusion systems will reduce reliance on fossil-fuel-based heating mechanisms, aligning with sustainability goals. Emerging markets will continue to be key growth areas, with increasing industrialization and infrastructure projects necessitating advanced extrusion machinery. As regulatory standards evolve to support greener manufacturing, companies investing in sustainable and smart extrusion solutions will gain a competitive edge.

Key Insights Extrusion Machinery Market

Industry 4.0 Integration in Extrusion Processes: The adoption of IoT, real-time monitoring, and AI-driven automation is optimizing production efficiency, enabling predictive maintenance, and reducing operational costs for extrusion machinery users.

Growing Demand for Multi-Layer Extrusion: The increasing use of multi-layer extruded products in packaging, construction, and medical applications is driving the development of high-performance extrusion machinery capable of producing complex material structures.

Advancements in Sustainable and Recycling-Compatible Extrusion: Innovations in extrusion technology are enabling efficient processing of recycled and

biodegradable materials, supporting the transition towards a circular economy in manufacturing.

Hybrid Extrusion and Additive Manufacturing: The combination of extrusion with 3D printing and other advanced manufacturing techniques is opening new opportunities in lightweight material production and customized components.

Electrification of Extrusion Systems: The shift towards electric and hybrid extrusion machinery is reducing energy consumption and enhancing environmental sustainability, in line with global emissions reduction targets.

Rising Demand for High-Performance Materials: The need for durable, lightweight, and functional extruded products in industries such as automotive, aerospace, and packaging is driving advancements in extrusion machinery.

Expansion of Infrastructure and Construction Projects: The growing use of extruded materials like PVC pipes, window profiles, and composite panels in construction is fueling demand for efficient extrusion systems.

Increasing Focus on Energy Efficiency: Manufacturers are investing in energy-efficient extrusion technologies to reduce operational costs and meet regulatory sustainability standards.

Rapid Industrialization in Emerging Markets: Expanding manufacturing sectors in developing countries are creating strong demand for modern extrusion machinery to support local production needs.

High Initial Investment and Maintenance Costs: The adoption of advanced extrusion machinery requires significant capital investment, and ongoing maintenance expenses can be a challenge for small and mid-sized manufacturers looking to upgrade their production capabilities.

Extrusion Machinery Market Segmentation

By Type

Single-Screw

Twin-Screw

By Material

Metals

Polymers

Concrete

Ceramics

Foodstuffs

By Process

Cold Extrusion

Hot Extrusion

Friction Extrusion

Other Processes

By End-Use

Construction

Consumer Goods

Automotive

Packaging

Other End-Uses

Key Companies Analysed

KraussMaffei Technologies GmbH

AMUT S.P.A.

Hegler Plastik GmbH

Bausano & Figli S.p.A.

Windsor Machines Pvt. Ltd.

Milacron LLC

Extrusion Technik USA Inc.

Yean Horng Machinery Co. Ltd.

Everplast Machinery Co. Ltd.

Graham Engineering Corporation

Reifenhauser Inc.

Kabra ExtrusionTechnik Ltd.

ITIB MACHINERY INTERNATIONAL s.r.l.

UNION Officine Meccaniche S.p.A.

BC Extrusion Holding GmbH

The Japan Steel Works Ltd.

Welding Engineers Inc.

Davis-Standard LLC

Coperion GmbH

Leistritz AG

SMS group GmbH

Toshiba Machine Co. Ltd.

Gneuss Kunststofftechnik GmbH

Macro Engineering & Technology Inc.

Nanjing Haisi Extrusion Equipment Co. Ltd.

USEON (Nanjing) Extrusion Machinery Co. Ltd.

CPM Extrusion Group

Bandera Luigi Costruzioni Meccaniche S.p.A.

BREYER Maschinenfabrik GmbH

Plasmec S.p.A.

SML Maschinengesellschaft mbH

Sino-Alloy Machinery Inc.

R&B Plastics Machinery LLC

Sarei Machinery & Mould Co. Ltd. .

Extrusion Machinery Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Extrusion Machinery Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Extrusion Machinery market data and outlook to 2034

United States

Canada

Mexico

Europe — Extrusion Machinery market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Extrusion Machinery market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Extrusion Machinery market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Extrusion Machinery market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Extrusion Machinery value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Extrusion Machinery industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Extrusion Machinery Market Report

Global Extrusion Machinery market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Extrusion Machinery trade, costs, and supply chains

Extrusion Machinery market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Extrusion Machinery market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Extrusion Machinery market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Extrusion Machinery supply chain analysis

Extrusion Machinery trade analysis, Extrusion Machinery market price analysis, and Extrusion Machinery supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Extrusion Machinery market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market

tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

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