

# **Pet Food Extrusion Market Size, Share, Trends, Analysis, and Forecast 2025-2034 | Global Industry Growth, Competitive Landscape, Opportunities, and Challenges**

<https://marketpublishers.com/r/P3B2020CF70FEN.html>

Date: May 2025

Pages: 150

Price: US\$ 3,850.00 (Single User License)

ID: P3B2020CF70FEN

## **Abstracts**

Global Pet Food Extrusion Market is valued at USD 81.1 billion in 2025. Further, the market is expected to grow at a CAGR of 7.4% to reach USD 154 billion by 2034.

### **Pet Food Extrusion Market Overview**

The pet food extrusion market is expanding rapidly, driven by the increasing demand for high-quality, nutritious, and processed pet food products. Extrusion is a widely used method in pet food manufacturing that involves cooking raw ingredients under high pressure and temperature to create kibble, treats, and other dry pet food forms. This process enhances digestibility, improves shelf life, and allows for the incorporation of vitamins, minerals, and functional ingredients that promote pet health. Pet owners are becoming more conscious about their pets' nutrition, leading to a shift toward premium and specialized pet food formulations, including grain-free, organic, and protein-rich diets. The growing humanization of pets and the demand for pet food with improved texture, flavor, and nutritional value have also driven market growth. Additionally, technological advancements in extrusion techniques have enabled manufacturers to produce pet food with better digestibility, palatability, and functional benefits. As pet food brands continue to innovate and develop extruded products that cater to specific dietary needs, the market is expected to experience steady growth, fueled by changing consumer preferences and advancements in food processing technology.

In 2024, the pet food extrusion market has witnessed key developments, particularly in ingredient innovation and processing efficiency. With a strong focus on sustainability

and alternative protein sources, manufacturers are increasingly using plant-based proteins, insect-based proteins, and novel ingredients such as algae and mycoproteins in extruded pet food. These alternatives cater to the rising demand for eco-friendly and ethically sourced pet nutrition. Additionally, advancements in twin-screw extrusion technology have improved production efficiency, allowing manufacturers to create highly digestible and nutrient-dense pet food while maintaining cost-effectiveness. Another notable development is the increasing use of functional ingredients such as probiotics, omega fatty acids, and antioxidants in extruded pet food to support gut health, joint health, and overall pet well-being. Brands are also adopting cold extrusion techniques for the production of minimally processed pet food, which helps retain natural nutrients and flavors. The rise of premiumization in the pet food industry has further fueled the demand for customized and specialized extruded pet food formulas, targeting breed-specific, age-specific, and health-condition-specific dietary requirements. As a result, 2024 has marked a shift toward more science-driven, functional, and personalized pet nutrition.

Looking ahead to 2025 and beyond, the pet food extrusion market is expected to continue evolving with further innovations in ingredient sourcing, processing technology, and nutritional formulations. Artificial intelligence (AI) and machine learning are likely to play a larger role in optimizing extrusion processes, ensuring consistency in texture, nutritional value, and production efficiency. Sustainability will remain a key focus, with an increased emphasis on reducing carbon footprints, minimizing waste, and using biodegradable packaging for extruded pet food products. Additionally, personalized nutrition is expected to gain traction, with brands offering tailor-made extruded pet food solutions based on a pet's breed, age, weight, and specific health conditions. The integration of blockchain technology in pet food production is also anticipated, enhancing transparency and traceability in ingredient sourcing and quality control. Moreover, the demand for grain-free, gluten-free, and hypoallergenic extruded pet food will continue to rise as pet owners become more aware of food sensitivities and dietary intolerances in their pets. With these advancements, the pet food extrusion market is set to experience sustained growth, driven by health-conscious pet owners, technological innovations, and increasing demand for premium and functional pet nutrition.

### Key Trends in the Pet Food Extrusion Market

**\*\*Incorporation of Alternative Proteins:\*\*** The use of plant-based proteins, insect proteins, and algae-derived nutrients is gaining traction as pet owners seek sustainable and high-protein alternatives.

**\*\*Advancements in Twin-Screw Extrusion Technology:\*\*** Improved extrusion technology is enabling better nutrient retention, digestibility, and production efficiency in pet food processing.

**\*\*Rise of Functional and Health-Targeted Ingredients:\*\*** Pet food brands are incorporating probiotics, omega fatty acids, antioxidants, and joint-support supplements into extruded pet food to enhance pet health.

**\*\*Cold Extrusion for Minimal Processing:\*\*** Cold extrusion techniques are gaining popularity as they help retain natural nutrients and flavors while avoiding excessive heat-related nutrient loss.

**\*\*Personalized and Breed-Specific Nutrition:\*\*** Customized pet food formulations catering to specific breeds, sizes, and health conditions are becoming more common, reflecting the shift toward personalized pet nutrition.

### Key Drivers of the Pet Food Extrusion Market

**\*\*Growing Pet Humanization Trends:\*\*** As pets are increasingly considered family members, owners are investing in high-quality, nutrient-rich, and scientifically formulated extruded pet food.

**\*\*Rising Demand for Sustainable Pet Food:\*\*** The shift toward environmentally friendly pet food is driving the use of alternative protein sources and sustainable ingredient sourcing.

**\*\*Technological Advancements in Food Processing:\*\*** Innovations in extrusion technology, AI-driven quality control, and smart processing systems are improving the efficiency and nutritional value of pet food.

**\*\*Increased Awareness of Pet Health and Nutrition:\*\*** Pet owners are prioritizing specialized diets tailored to their pets' specific dietary needs, fueling demand for functional and health-targeted extruded pet food.

### Key Challenge in the Pet Food Extrusion Market

**\*\*High Costs of Premium and Specialty Extruded Pet Food:\*\*** The rising costs of alternative proteins, functional ingredients, and sustainable packaging can make

premium extruded pet food less affordable for budget-conscious pet owners, posing a challenge to widespread adoption.

## Market Segmentation

### By Extruder Type

#### Single Screw

#### Twin Screw

### By Process

#### Hot Extrusion

#### Cold Extrusion

### By Type

#### Complete Diets

#### Treats

#### Other Types

### By Ingredient

#### Animal Derivatives

#### Vegetables And Fruits

#### Grains And Oilseeds

#### Vitamins And Minerals

#### Additives

#### Other Ingredients

## By Animal Type

Dog

Cat

Fish

Birds

Other Animal Types

## By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

## What You Receive

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

Impact of recent changes in geopolitical, economic, and trade policies on the demand and supply chain of Pet Food Extrusion.

Pet Food Extrusion market size, share, and outlook across 5 regions and 27 countries, 2025- 2034.

Pet Food Extrusion market size, CAGR, and Market Share of key products, applications, and end-user verticals, 2025- 2034.

Short and long-term Pet Food Extrusion market trends, drivers, restraints, and

opportunities.

Porter's Five Forces analysis, Technological developments in the Pet Food Extrusion market, Pet Food Extrusion supply chain analysis.

Pet Food Extrusion trade analysis, Pet Food Extrusion market price analysis, Pet Food Extrusion Value Chain Analysis.

Profiles of 5 leading companies in the industry- overview, key strategies, financials, and products.

Latest Pet Food Extrusion market news and developments.

The Pet Food Extrusion Market international scenario is well established in the report with separate chapters on North America Pet Food Extrusion Market, Europe Pet Food Extrusion Market, Asia-Pacific Pet Food Extrusion Market, Middle East and Africa Pet Food Extrusion Market, and South and Central America Pet Food Extrusion Markets. These sections further fragment the regional Pet Food Extrusion market by type, application, end-user, and country.

Who can benefit from this research

The research would help top management/strategy formulators/business/product development/sales managers and investors in this market in the following ways

1. The report provides 2024 Pet Food Extrusion market sales data at the global, regional, and key country levels with a detailed outlook to 2034, allowing companies to calculate their market share and analyze prospects, uncover new markets, and plan market entry strategy.
2. The research includes the Pet Food Extrusion market split into different types and applications. This segmentation helps managers plan their products and budgets based on the future growth rates of each segment
3. The Pet Food Extrusion market study helps stakeholders understand the breadth and stance of the market giving them information on key drivers, restraints, challenges, and growth opportunities of the market and mitigating risks

4. This report would help top management understand competition better with a detailed SWOT analysis and key strategies of their competitors, and plan their position in the business

5. The study assists investors in analyzing Pet Food Extrusion business prospects by region, key countries, and top companies' information to channel their investments.

#### Available Customizations

The standard syndicate report is designed to serve the common interests of Pet Food Extrusion Market players across the value chain and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

Some of the customization requests are as mentioned below –

Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

Pet Food Extrusion Pricing and Margins Across the Supply Chain, Pet Food Extrusion Price Analysis / International Trade Data / Import-Export Analysis

Supply Chain Analysis, Supply–Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other Pet Food Extrusion market analytics

Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

Capital Requirements, Income Projections, Profit Forecasts, and other parameters to

prepare a detailed project report to present to Banks/Investment Agencies.

Customization of up to 10% of the content can be done without any additional charges.

Note: Latest developments will be updated in the report and delivered within 2 to 3 working days.

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