

AI Oven Market Report: Trends, Forecast and Competitive Analysis to 2031

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Abstracts

2 – 3 business days after placing order

AI Oven Trends and Forecast

The future of the global AI oven market looks promising with opportunities in the home and commercial markets. The global AI oven market is expected to grow with a CAGR of 14.3% from 2025 to 2031. The major drivers for this market are an increase in demand for smart kitchen appliances integrating AI for enhanced cooking precision and convenience, the growth of IoT-enabled ovens leveraging AI for remote monitoring and control features, and the growing adoption of AI-powered cooking algorithms for personalized recipes and dietary preferences.

Lucintel forecasts that, within the type category, 48L is expected to witness higher growth over the forecast period.

Within the application category, home is expected to witness higher growth.

In terms of regions, APAC is expected to witness the highest growth over the forecast period.

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Emerging Trends in the AI Oven Market

The AI oven market is rapidly evolving, driven by critical trends that reflect consumers' preferences and technological advancements. This helps stakeholders remain competitive while identifying such trends.

Integrating with Smart Home Ecosystems: AI ovens are increasingly being integrated into smart home systems, allowing users to control multiple appliances from one interface. This integration enhances convenience, streamlining kitchen experiences with well-operated appliances.

A Customized Cooking Experience: With advancements in AI, oven manufacturers can tailor their products to user preferences, guiding them toward recipes they have previously cooked. This improves satisfaction and makes cooking more enjoyable.

Focus on Energy Efficiency: Manufacturers are designing energy-efficient AI ovens with sustainability as a high priority. These models, due to reduced energy consumption, appeal to environmentally conscious consumers who support eco-friendly living initiatives.

Advanced Safety Features: AI ovens are equipped with enhanced safety attributes, including automatic shutoff and temperature control. These features reduce the risks of fire hazards and accidents associated with traditional ovens, giving users peace of mind, especially in homes with children.

Voice and Gesture Control: The integration of voice assistant technology and gesture recognition allows consumers to interact with AI ovens more easily. Hands-free operations enhance convenience and accessibility, enabling users to multitask while cooking.

These emerging trends are reshaping the AI oven market, making appliances more intuitive, efficient, and integrated into daily life. As manufacturers continue to innovate, these trends will be decisive for consumers and will influence market dynamics.

Recent Developments in the AI Oven Market

Recent developments in the AI oven market mark significant strides toward improving the overall cooking experience and efficiency.

Smart Cooking Algorithm Launch: Companies are launching AI-powered ovens with smart algorithms that can alter cooking parameters in real-time based on collected data. Such algorithms provide better cooking outcomes while minimizing the risk of burning or undercooking food.

Introduction of Remote Monitoring Features: New AI ovens can monitor cooking processes via a smartphone app. This enables busy individuals to multitask while cooking, increasing convenience and flexibility when preparing meals.

Collaboration with Culinary Experts: Culinary brands are partnering with chefs and culinary experts to create proprietary cooking programs that enhance AI capabilities in oven performance, providing users with professional-quality recipes and cooking techniques.

Compact and Multi-Functional Devices: Manufacturers are developing compact multifunctional devices that integrate various cooking functions into one unit. This meets the market demand for space-saving kitchen solutions and increases the usability of cooking devices.

More User-Friendly Interfaces: Advances in user interface design are making AI ovens more intuitive and easier to use. Touchscreens, voice control, and customizable preferences make them more appealing to a broader audience.

Recent developments have had a profound impact on AI oven market functionalities, convenience, and user engagement. As the sector evolves, innovations related to these developments will be instrumental in driving consumer adoption and market growth.

Strategic Growth Opportunities for the AI Oven Market

The market for AI ovens offers multiple strategic growth opportunities across various applications. A strong understanding and exploitation of these opportunities will be critical for any market stakeholder seeking a robust foothold in the evolving landscape.

Smart Kitchen Solutions: The growing demand for integrated smart kitchen solutions presents an opportunity for AI oven manufacturers to collaborate with other makers of smart appliances. Product bundling can create a holistic cooking ecosystem that enhances user convenience and functionality.

Health-Conscious Cooking: As health-conscious consumers increasingly seek healthier food options, personalized features such as calorie tracking and nutritional cooking suggestions may attract them to AI ovens.

Culinary Education: Using AI ovens represents an excellent means of culinary education. These tools can provide guided cooking experiences with tutorials. Partnerships with cooking schools or online platforms can effectively target this educational market.

Commercial Kitchen Applications: AI ovens have potential applications in commercial kitchens, especially where precision and efficiency are crucial. Targeting restaurants and catering services with specialized AI features promises new revenue streams for manufacturers.

Emerging Markets: Asia and Africa are likely to be emerging markets for AI oven producers. Increased disposable income will prompt consumers to seek innovative kitchen appliances, such as AI-enabled cooking solutions.

These strategic growth opportunities highlight how AI ovens can enhance cooking through various applications. By focusing on smart solutions, health consciousness, culinary education, and new market expansion, companies can thrive in this evolving landscape.

AI Oven Market Driver and Challenges

The AI oven market is driven by technological, economic, and regulatory factors. Understanding these factors and challenges will help stakeholders navigate this competitive landscape.

The factors driving the AI oven market include:

Technological Advancement: Rapid innovations in AI, IoT, and machine learning are resulting in ovens that are smarter and more efficient than their predecessors. Technological advancements also enhance user experience and expand the functionality of kitchen appliances.

Increasing Consumer Demand for Convenience: Consumers increasingly seek convenience in their lives. Features that streamline preparation and automate

processes resonate well with busy lifestyles.

Sustainability Initiatives: Manufacturers are developing energy-efficient AI ovens as more consumers become aware of environmental issues. Appliances that align with sustainable living strategies are increasingly preferred.

Challenges in the AI oven market include:

High Development Costs: Advanced AI ovens require costly research and development. Manufacturers must balance innovation with affordability to remain competitive.

Consumer Skepticism: Some consumers may hesitate to adopt new technologies if they perceive them as complex or unreliable. Overcoming this skepticism is essential for the widespread acceptance of AI ovens.

Integration Issues: Integrating AI ovens into existing kitchen setups may pose challenges, particularly for less tech-savvy consumers. Strong customer support and education will be vital in addressing these concerns.

The interplay of these drivers and challenges shapes the AI oven market. Its growth and innovation contribute to its development; by addressing challenges while focusing on key drivers, businesses can successfully navigate the market landscape and seize emerging opportunities.

List of AI Oven Companies

Companies in the market compete based on product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. Through these strategies AI oven companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the AI oven companies profiled in this report include-

Aikey

Midea

Viomi

June

LEVEL

AI Oven by Segment

The study includes a forecast for the global AI oven market by type, application, and region.

AI Oven Market by Type [Analysis by Value from 2019 to 2031]:

48L

50L

Others

AI Oven Market by Application [Analysis by Value from 2019 to 2031]:

Home

Commercial

AI Oven Market by Region [Analysis by Value from 2019 to 2031]:

North America

Europe

Asia Pacific

The Rest of the World

Country Wise Outlook for the AI Oven Market

The AI oven market within the smart kitchen appliances sector is gaining strong momentum worldwide. Rapid innovations in artificial intelligence, machine learning, and IoT technologies are transforming conventional cooking into automated procedures that require minimal manual intervention. In the United States, China, Germany, India, and Japan, manufacturers are introducing products with effective user interfaces, better app integration, and energy efficiency. These developments appeal to consumers seeking convenience and intelligent solutions for their homes.

United States: In the United States, major companies are incorporating AI into ovens, offering features like voice control, recipe suggestions, and self-cleaning modes. Whirlpool and GE Appliances lead in smart connectivity, allowing consumers to check and control oven temperatures via mobile apps. Energy efficiency is a key benefit, with models designed to consume less energy. The user-friendly interface simplifies navigation, making AI ovens accessible to a diverse range of consumers, thus increasing their adoption in American households.

China: China is rapidly advancing in the AI oven market. Local companies like Haier and Midea are focusing on integrating AI and IoT technologies into their products. Features include smart temperature control, a recipe database, and voice recognition. Cooking trends at home are driving this market, especially following the pandemic. Consumer preferences for smart appliances are fueling innovation as manufacturers strive to provide multifunctional devices that enhance meal preparation and overall culinary experiences.

Germany: In Germany, precision and efficiency characterize the AI oven market, with Bosch and Siemens at the forefront. These companies design ovens equipped with AI algorithms that optimize cooking times and temperatures based on the type of food being prepared. Energy efficiency is also a hallmark, adhering to European standards on energy consumption. German consumers are increasingly seeking technology that improves cooking accuracy, reflecting a cultural appreciation for high-quality culinary experiences.

India: India is witnessing the emergence of the AI oven market, driven by increasing urbanization and the rise of smart homes. Companies are introducing

affordable AI ovens with basic smart features, such as pre-set cooking modes and mobile app access. LG and Samsung are engaging younger, tech-savvy consumers. Convenience in food preparation is a significant factor for busy urban dwellers, making smart kitchen appliances appealing to this demographic.

Japan: Japanese AI ovens are showcasing cutting-edge technology with innovative features from leaders like Panasonic and Toshiba. These devices use AI to adjust cooking methods based on food types and personal preferences. Japanese consumers prefer technology that offers greater accuracy in cooking, making multifunctional ovens highly valued. Compact and efficient designs cater to urban dwellers' limited kitchen space, establishing AI ovens as essential components in modern kitchens.

Features of the Global AI Oven Market

Market Size Estimates: AI oven market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2019 to 2024) and forecast (2025 to 2031) by various segments and regions.

Segmentation Analysis: AI oven market size by type, application, and region in terms of value (\$B).

Regional Analysis: AI oven market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different types, applications, and regions for the AI oven market.

Strategic Analysis: This includes M&A, new product development, and the competitive landscape of the AI oven market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

If you are looking to expand your business in this or adjacent markets, then contact us. We have done hundreds of strategic consulting projects in market entry, opportunity screening, due diligence, supply chain analysis, M&A, and more.

This report answers the following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the AI oven market by type (48L, 50L, and others), application (home and commercial), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

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