

Food Industry Heat Processing Equipment Market to Reach USD 34.9 Billion by 2035, Fueled by Processed Food Demand

Prominent players include GEA Group AG, Baker Perkins, Tetra Pak, Alfa Laval, Bühler Group, JBT Corporation, Marel HF, SPX FLOW, Jinan Youont Technology

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EINPresswire.com/ -- The global [food industry heat processing equipment market](#) is witnessing strong

momentum, propelled by the rising demand for processed foods, innovations in thermal processing, and growing emphasis on food safety

standards. Valued at USD 21.0 billion in 2025, the market is projected to expand to USD 34.9 billion by 2035, reflecting an absolute increase of USD 12.8 billion during the forecast period.



Food Industry Heat Processing Equipment Market

As consumer preferences shift toward ready-to-eat, packaged, and shelf-stable foods, heat processing equipment has become indispensable in ensuring product safety, extending shelf life, and preserving nutritional value. The integration of automation, energy-efficient technologies, and advanced thermal processing methods is transforming the food manufacturing sector worldwide.

Market Drivers: Processed Foods, Food Safety, and Technological Innovation:

Growing Consumption of Processed and Packaged Foods

Rapid urbanization, evolving lifestyles, and increased demand for convenience foods are fueling investments in heat processing equipment. From pasteurization to sterilization, manufacturers are adopting advanced machinery to meet high production capacity while maintaining nutritional integrity.

Food Safety and Regulatory Compliance

Stringent global food safety regulations are prompting food producers to rely on reliable and precise thermal equipment. These systems ensure microbial inactivation and safeguard against contamination, aligning with HACCP and FDA compliance requirements.

Technological Breakthroughs in Heat Processing

Advancements such as energy-efficient thermal systems, continuous-flow pasteurizers, and precision temperature controls are revolutionizing production efficiency. Integration of IoT, automation, and AI-driven monitoring enhances process control, reduces waste, and improves quality assurance in large-scale operations.

Full Market Report available for delivery. For purchase or customization, please request here: https://www.factmr.com/connectus/sample?flag=S&rep_id=11079

For more on methodology and market coverage, visit: <https://www.factmr.com/about-company>

Competitive Landscape

The food industry heat processing equipment market is highly competitive, with multinational corporations and regional manufacturers focusing on innovation, capacity expansion, and sustainable technologies.

Key Players in the Food Industry Heat Processing Equipment Market include:

GEA Group AG
Baker Perkins
Tetra Pak
Alfa Laval
Bühler Group
JBT Corporation
Marel HF
SPX FLOW
Jinan Youont Technology
Arnold Group

These companies are prioritizing strategic collaborations, R&D in energy efficiency, and advanced food safety solutions. Many are also expanding their footprint in emerging markets where demand for packaged foods is accelerating.

Recent Developments

October 2024 – Alfa Laval launched a new range of high-efficiency heat exchangers for food

sterilization processes, designed to lower energy consumption by 15%.

January 2025 – Bühler Group introduced a fully automated thermal processing line, integrating IoT sensors to improve real-time monitoring and traceability.

March 2025 – Tetra Pak announced a collaboration with leading food manufacturers in Asia-Pacific to develop sustainable thermal processing systems aimed at reducing carbon footprints.

Segmentation of the Food Industry Heat Processing Equipment Market:

The food industry heat processing equipment market is segmented across technology, application, and end-use, reflecting the diverse requirements of modern food production. From a technology perspective, key categories include pasteurization, sterilization, blanching, drying, and cooking systems, each tailored to specific food safety and preservation needs.

In terms of application, the market serves multiple sectors such as dairy, bakery and confectionery, meat and poultry, beverages, and convenience foods, where thermal processing plays a central role in ensuring shelf stability, quality, and consumer safety. Based on end use, adoption is strongest among large-scale food processing plants and beverage manufacturers, followed by specialty food producers that require high-precision, small-batch processing solutions. This segmentation underscores the adaptability of heat processing technologies, enabling manufacturers to meet evolving consumer preferences, regulatory requirements, and operational efficiency targets across global markets.

Country-Wise Outlook

United States – Leading in Food Safety and Automation

The U.S. market is driven by stringent food safety regulations, high consumption of packaged foods, and investments in automated heat processing lines.

Europe – Strong Focus on Energy-Efficient Solutions

Germany, France, and the U.K. are leading in sustainable heat processing technologies, with companies innovating to meet EU climate targets and food safety standards.

Asia-Pacific – Fastest Growing Market

China, India, and Southeast Asia are experiencing surging demand for packaged and convenience foods, fueling rapid adoption of cost-efficient and high-capacity thermal systems.

Future Outlook: Efficiency, Sustainability, and Smart Integration:

The next decade will see food industry heat processing equipment evolve with:

AI-Driven Automation – Real-time control and predictive maintenance for higher productivity.

Sustainable Systems – Energy-efficient and low-emission technologies for eco-friendly food processing.

Modular Equipment Designs – Flexible systems catering to diverse product lines and small-batch production.

IoT-Enabled Monitoring – Enhanced traceability and food safety compliance through connected solutions.

By 2035, the food industry heat processing equipment market will not only support the rising demand for processed foods but also drive innovation in food safety, energy efficiency, and smart manufacturing.

Related Studies Published by Fact.MR Research:

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Editor's Note

Fact.MR is a global market research and consulting firm, recognized for delivering actionable insights across industries. Our research on the Food Industry Heat Processing Equipment Market is grounded in robust primary and secondary research, expert interviews, and analysis of technological and regional dynamics. With the sector shifting toward automation, sustainability, and food safety excellence, Fact.MR reports empower businesses with the intelligence needed to capture growth opportunities.

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