

# Sustainable Packaging Equipment Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

The Global Sustainable Packaging Equipment Market was valued at USD 157.6 billion in 2024 and is estimated to grow at a CAGR of 7.3% to reach USD 316 billion by 2034. The growth is driven by the rising global awareness of environmental responsibility, alongside regulatory enforcement. Nations worldwide are tightening their restrictions on single-use plastics, prompting industries to shift toward greener packaging operations. These regulations accelerate the shift to machinery capable of handling sustainable materials such as biodegradable plastics, recycled inputs, and compostable formats. As sustainability becomes a competitive differentiator, manufacturers are deploying next-gen packaging solutions with energy efficiency, reduced waste, and smarter automation that complies with green mandates.

Packaging technologies are evolving to meet the dual goals of operational efficiency and environmental compatibility. Companies are rolling out systems that support recyclable and compostable materials while integrating smart features such as predictive maintenance and energy tracking. Regulatory frameworks continue to reshape machinery innovation, as businesses invest in sustainable packaging to support circular economy initiatives. Demand is rising for advanced equipment that can adapt to varying eco-materials without sacrificing speed or quality. These developments are helping manufacturers align with stricter laws while enhancing sustainability in production.

The filling machines segment generated USD 44.2 billion in 2024 and is expected to grow at a CAGR of 7.9% through 2034. These machines are becoming essential in sustainable production lines due to their adaptability to green materials and efficiency in minimizing waste. Food and beverage, personal care, pharmaceuticals, and household

products rely on these machines for clean, accurate, and efficient operations. Modern systems now support flexible formats, including recyclable films, compostable pouches, and paper-based containers. As product packaging evolves toward lightweight and biodegradable materials, filling equipment keeps pace, offering manufacturers the ability to meet performance benchmarks while reducing environmental impact.

The indirect sales channel accounted for 55.1% share in 2024 and is projected to grow at 7.6% CAGR through 2034. As global demand rises for sustainable solutions, many small and mid-sized manufacturers turn to third-party agents, distributors, and integrators. These partners provide essential local insights, installation support, and service expertise—especially important when deploying niche equipment like biodegradable film sealers or paper-based packagers. Indirect channels are particularly effective in emerging markets such as Latin America, Southeast Asia, and Eastern Europe, where direct vendor presence is limited but sustainability regulations are quickly advancing.

United States Sustainable Packaging Equipment Market held an 87.3% share and generated USD 39.1 billion in 2024. The country is leading adoption through strong regulatory backing, consumer-driven sustainability goals, and rapid uptake of automation and smart technologies. Ongoing efforts to reduce packaging waste are prompting manufacturers and retailers to invest in eco-compliant machinery. National and state-level incentives, research funding, and a maturing digital infrastructure have made the US a hub for innovation in sustainable packaging solutions, further driving equipment demand.

Leading players shaping this evolving market include Fuji Machinery, Amcor, GEA, Syntegon, Wipak, Smurfit Kappa, IMA, Sealed Air, Rockwell Automation, KHS, Sappi, Buhler, Tetra Pak, Mondi, and Krones. To expand their presence, companies in sustainable packaging equipment focus on integrating AI-powered automation, enhancing machine compatibility with compostable and recyclable substrates, and developing modular systems for better scalability. Strategic investments in R&D, collaborations with eco-material providers, and local partnerships are also helping brands tailor solutions to regulatory needs. By offering high-performance machines that lower carbon output and adapt to eco-friendly packaging lines, these firms capture a larger market share and align with long-term climate targets.

### **Companies Mentioned**

Amcor, Buhler, Fuji Machinery, GEA, IMA, KHS, Krones, Mondi, Rockwell Automation,

Sappi, Sealed Air, Smurfit Kappa, Syntegon, Tetra Pak, Wipak

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