

Sustainable Manufacturing Market to Expand at a 11.3% CAGR by 2029, Reaching US \$322.41 Billion

The Business Research Company's Sustainable Manufacturing Global Market Report 2025 - Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, November 19, 2025

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How Much Is The Sustainable Manufacturing Market Worth?

[The market size for sustainable manufacturing](#) has seen a significant surge in the past few years.

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The market poised to swell from a value of \$189.11 billion in 2024 to a higher value of \$210.03 billion in 2025, reflecting a compound annual growth rate (CAGR) of 11.1%. The historic expansion of this market owes its growth to factors such as the transition towards decarbonization, stricter environmental rules, increased awareness, cost reduction efficiencies, and the improvement of brand reputation.

[The size of the sustainable manufacturing market](#) is predicted to witness swift expansion in the upcoming years. It is projected to escalate to \$322.41 billion by 2029

with a compound annual growth rate (CAGR) of 11.3%. The projected rise in these years can be ascribed to the implication of resource-efficient manufacturing methods, industrialization, the adoption of sustainable packaging, heightened emphasis on circular economy practices, and amplified investment. The key trends anticipated in this period include progress in electrolyzer technology, technological innovations, the development of green technologies, enhancement in recycling technologies, and processes for waste reduction.

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What Are The Factors Driving The Sustainable Manufacturing Market?

The sustainable manufacturing market is set to expand in response to increased consumer demand for eco-friendly goods. The surge in this demand is due to enhanced environmental consciousness, efforts by individuals to minimize their carbon footprints and an escalating preference for sustainably and ethically manufactured merchandise. Green manufacturing plays a crucial role in catering to this demand by producing commodities through eco-friendly methods, curbing waste generation, conserving resources, and causing minimum negative environmental impact during the production process. A case in point is a survey by the National Association of Convenience Stores in April 2024. The association, which represents US-based convenience and fuel retail outlets, found that 80% of consumers expressed deep or moderate concern about the environmental implications of their purchases. This is a rise from 68% in 2023 and 66% in 2022. Furthermore, 65% of Americans conveyed their readiness to incur additional costs for gasoline if stations integrated carbon offset options. Consequently, the sustainable manufacturing market will flourish due to the burgeoning consumer demand for eco-friendly goods.

Who Are The Major Players In The Sustainable Manufacturing Market?

Major players in the Sustainable Manufacturing include:

- ArcelorMittal S.A.
- Siemens AG
- Unilever PLC
- Panasonic Holdings Corporation
- Caterpillar Inc.
- Dow Inc.
- Veolia Environnement S.A.
- Schneider Electric SE
- Honeywell International Inc.
- 3M Company

What Are The Main Trends, Positively Impacting The Growth Of Sustainable Manufacturing Market?

In the sustainable manufacturing sector, major corporations aim to introduce innovative goods such as green briquettes. These products facilitate energy efficiency and provide environmentally friendly alternatives to conventional fuel sources, aiding in the creation of cleaner and more sustainable industrial processes. Biomass materials like agricultural residues and organic waste are compressed to make these green briquettes, which act as a more sustainable fuel source with fewer emissions than traditional fossil fuels. In December 2022, for instance, Runaya Group, an Indian firm specializing in sustainability and innovation, launched RubiQ and Rucal Green. These products encompass 100% green briquettes made from

compacted organic materials and are intended to offer a sustainable fuel alternative with lessened carbon emissions. They advocate sustainable manufacturing processes by employing waste materials, enhancing resource efficiency, and contributing to a cyclic economy. With the increasing demand for eco-friendly energy solutions in various industries, their production helps to improve overall environmental performance.

Which Segment Accounted For The Largest Sustainable Manufacturing Market Share?

The sustainable manufacturing market covered in this report is segmented –

- 1) By Offering: Recycled Lithium Ion Battery, Water Reuse And Recycling, Recycled Plastics, Green Hydrogen, Recycled Steel, Recycled Aluminum, Recycled Carbon Fiber, Bioplastics And Biopolymers, Natural Fiber Composites
- 2) By Enterprise Type: Large Enterprises, Small And Medium Enterprises (SMEs)
- 3) By Applications: Automotive, Energy, Electrical And Electronics, Packaging, Building And Construction, Marine, Aerospace, Power, Chemicals, Other Applications

Subsegments:

- 1) By Recycled Lithium-Ion Battery: Reclaimed Lithium, Recycled Cobalt, Recycled Nickel, Battery Pack Recycling
- 2) By Water Reuse And Recycling: Industrial Water Reuse, Municipal Water Recycling, Desalination Technologies, Greywater Reuse Systems
- 3) By Recycled Plastics: Post-Consumer Recycled Plastics, Post-Industrial Recycled Plastics, Biodegradable Plastics, Plastic Lumber
- 4) By Green Hydrogen: Electrolytic Hydrogen Production, Biomass Gasification, Hydrogen From Natural Gas With Carbon Capture, Storage And Transportation Solutions
- 5) By Recycled Steel: Scrap Steel Processing, Steel Re-Melting And Recasting, Upcycled Steel Products
- 6) By Recycled Aluminum: Post-Consumer Aluminum Recycling, Post-Industrial Aluminum Recycling, Aluminum Remelting Processes

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<https://www.thebusinessresearchcompany.com/report/sustainable-manufacturing-global-market-report>

What Are The Regional Trends In The Sustainable Manufacturing Market?

In 2024, North America dominated as the leading region in the sustainable manufacturing sector. The forecasted expansion status of this region is mentioned in the report. The sustainable manufacturing market report includes regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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