

2023 Manufacturing Research Review

<https://marketpublishers.com/r/2D5365F4B3BAEN.html>

Date: December 2024

Pages: 163

Price: US\$ 4,650.00 (Single User License)

ID: 2D5365F4B3BAEN

Abstracts

Research Review Scope

The manufacturing sector is the backbone of global GDP growth. According to the World Bank Group, the value of manufacturing value added was nearly \$14.07 trillion in 2019, and it declined by 2.8% in 2020, primarily due to the impact of COVID-19 on worldwide manufacturing sectors. In 2023, the value of manufacturing value added has reached around \$16.2 trillion. The manufacturing value added is a macroeconomic factor for the manufacturing sector and represents the manufacturing industry's value from the global GDP. The manufacturing-as-a-service trend is gaining new heights as companies can sign contracts without intensive capital investment in a particular market with product manufacturing companies. Contract manufacturing is an example of manufacturing-as-a-service.

The manufacturing sector is rapidly shifting towards eco-friendly technology. For instance, companies in the Non-destructive testing (NDT) market are engaged in R&D for environmentally friendly chemicals and materials, including water-based solvents and biodegradable polymers, to reduce harmful gas emissions from their plants and factories. Furthermore, the manufacturing sector is also experiencing an increase in clean fuel sources such as green hydrogen to decrease dependency on fossil fuels coupled with reducing emissions of CO₂ from the environment. Hydrogen boilers are a leading example of green hydrogen-driven machines. On the other hand, the increasing adoption of advanced manufacturing technology such as robotics, AI, ML, 3D printing, 5G, and others is creating new growth dimensions for the manufacturing sector.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. This 2023 Research Review of manufacturing provides a sampling of the type of quantitative market information, analysis, and guidance that BCC Research has been developing since its inception in

1971 to help its customers make informed business decisions. This Research Review includes highlights and excerpts from the following reports published by BCC Research in 2023:

MFG016J Nondestructive Testing Equipment and Services: Ultrasonic, Radiographic, Eddy Current and Others

MFG034C Hydraulic Pumps and Motors: Global Markets

MFG033D Industrial Boilers: Technologies and Developing Markets

MFG021E Electronics Contract Manufacturing and Design Services: The Global Market

MFG019E Global Markets and Technologies for Inorganic Metal Finishing Processes

After you survey the excerpts in this Research Review, we encourage you to follow up on these topics by checking out the full market research reports associated with each topic. BCC Research looks forward to serving your market intelligence needs in the future.

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