

Industry 4.0 Technologies: Global Market Through 2030

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Abstracts

Summary:

The global market for Industry 4.0 technologies was valued at \$551.7 billion in 2024 and is estimated to increase from \$655.2 billion in 2025 to reach \$1.6 trillion by 2030, at a compound annual growth rate (CAGR) of 19.4% from 2025 through 2030.

Industry 4.0 represents the deep integration of intelligent digital technologies into manufacturing and broader industrial processes. This transformative approach encompasses interconnected technologies, including Industrial Internet of Things networks, AI, big data analytics, advanced robotics and comprehensive automation. The core objective of Industry 4.0 is to facilitate smart manufacturing and the development of intelligent factories, ultimately driving significant enhancements in productivity, efficiency and operational flexibility. Furthermore, it empowers more informed decision-making and enables greater customization throughout manufacturing and supply chain operations.

Report Scope

This report segments the market based on technology, end-user industry and geographical region. It provides an overview of the global Industry 4.0 technologies market and analyzes market trends. Using 2024 as the base year, the report provides estimated market data for the forecast period 2025 through 2030. The report covers the market for Industry 4.0 technologies with regard to the user base across different regions. It also highlights major trends and challenges that affect the market and the vendor landscape.

The scope of the report includes the global market for Industry 4.0 technologies, such as big data and analytics, system integration (horizontal and vertical integration), cloud computing, augmented reality (AR) and virtual reality (VR), Industrial Internet of Things (IIoT), 3D printing, robotics, digital twins and cybersecurity, as they relate specifically to Industry 4.0.

The report also examines the key trends and challenges driving the market and the companies operating within it. It analyzes patents and emerging technologies in the market, it surveys the competition among major companies, and it includes profiles of leading businesses in the market.

Report Includes

59 data tables and 84 additional tables

An overview of the current and future global markets for industry 4.0 technologies

An analysis of the global market trends with market revenue data from 2024, estimates for 2025, forecasts for 2026, 2028, and projected CAGRs through 2030

Estimates of the size and revenue prospects of the global market, along with a market share analysis by technology, end use industry, and region

Facts and figures pertaining to market dynamics, technological advances, regulations, and the impact of macroeconomic factors

An analysis of patents, emerging trends and developments in the industry

Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of leading companies

Company profiles of major players within the industry, including Amazon.com Inc., Microsoft, Siemens, Cisco Systems Inc., and IBM Corp.

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AUTODESK INC.
BOSCH REXROTH AG
CISCO SYSTEMS INC.
EOS GMBH
GE VERNOVA
IBM CORP.
INTEL CORP.
MATERIALISE
MICROSOFT
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SIEMENS
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