

Global AI-Powered Imaging Diagnostic Devices Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global AI-Powered Imaging Diagnostic Devices market size was valued at US\$ 1888 million in 2024 and is forecast to a readjusted size of USD 5751 million by 2031 with a CAGR of 17.2% during review period.

AI-powered imaging diagnostic devices are medical imaging analysis tools integrated with artificial intelligence technologies, designed to automatically identify and analyze medical imaging data through algorithms such as deep learning, assisting physicians in early disease detection, diagnosis, and treatment decisions, thereby enhancing diagnostic accuracy and efficiency.

This report is a detailed and comprehensive analysis for global AI-Powered Imaging Diagnostic Devices market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Key Features:

Global AI-Powered Imaging Diagnostic Devices market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global AI-Powered Imaging Diagnostic Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global AI-Powered Imaging Diagnostic Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global AI-Powered Imaging Diagnostic Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for AI-Powered Imaging Diagnostic Devices
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global AI-Powered Imaging Diagnostic Devices market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens Healthineers, Philips, GE Healthcare, Canon Medical Systems, Fujifilm, Samsung Medison, United Imaging, Mindray, Esaote, Agfa-Gevaert, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

AI-Powered Imaging Diagnostic Devices market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Image Recognition-Based Diagnostic Devices

Deep Learning-Based Diagnostic Devices

Multimodal Imaging Analysis Devices

Real-Time Imaging Processing Devices

Others

Market segment by Application

Disease Screening

Disease Diagnosis

Treatment Planning and Evaluation

Others

Major players covered

Siemens Healthineers

Philips

GE Healthcare

Canon Medical Systems

Fujifilm

Samsung Medison

United Imaging

Mindray

Esaote

Agfa-Gevaert

Hitachi

Carestream Health

Hologic

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe AI-Powered Imaging Diagnostic Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI-Powered Imaging Diagnostic Devices, with price, sales quantity, revenue, and global market share of AI-Powered Imaging Diagnostic Devices from 2020 to 2025.

Chapter 3, the AI-Powered Imaging Diagnostic Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI-Powered Imaging Diagnostic Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by

regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and AI-Powered Imaging Diagnostic Devices market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of AI-Powered Imaging Diagnostic Devices.

Chapter 14 and 15, to describe AI-Powered Imaging Diagnostic Devices sales channel, distributors, customers, research findings and conclusion.

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