

Healthcare Automation Tools Market to Reach \$116.83Bn by 2033, Expanding at a CAGR of 10.5% | DataM Intelligence

The Healthcare Automation Tools Market is growing fast with AI and robotics reshaping diagnostics, surgery, and patient management globally.

NEW YORK, NY, UNITED STATES, June 18, 2025 /EINPresswire.com/ -- Market Overview :

The [Healthcare Automation Tools Market](#) is evolving rapidly, playing a transformative role in reshaping modern medical operations. With rising demand for efficiency, reduced human error, and increased workflow optimization, hospitals and diagnostic centers are integrating advanced automation systems into their infrastructure. Automation in healthcare not only accelerates routine tasks like diagnostics, scheduling, and billing but also supports clinical decision-making

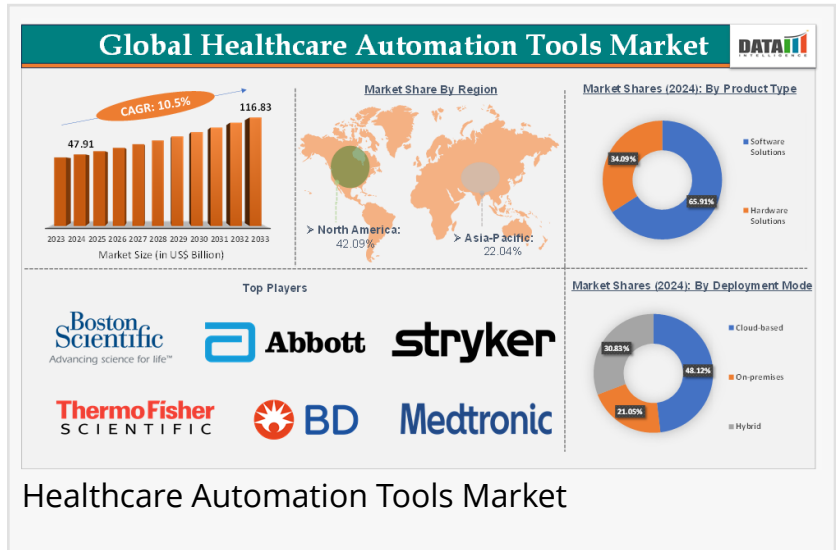
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Healthcare automation is redefining clinical workflows, improving precision, and transforming patient care with AI-powered tools and robotic solutions across hospitals and labs.”

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administrative burdens.

Rising demand for error-free medication management and patient data handling.



and enhances patient safety. With a valuation of US\$ 47.91 billion in 2024, the market is poised to reach US\$ 116.83 billion by 2033, expanding at a CAGR of 10.5% during the forecast period.

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Market Drivers are :

Growing need to reduce healthcare costs and

Increasing prevalence of chronic diseases requiring continuous monitoring.

Adoption of AI, machine learning, and robotic process automation in diagnostics and surgeries.

Favorable government initiatives promoting digital transformation in healthcare.

Workforce shortages pushing hospitals toward automated tools.

Key Players in the Market are :

Medtronic

Stryker

Smith+Nephew

Koninklijke Philips N.V.

Thermo Fisher Scientific Inc.

Boston Scientific Corporation

BD (Becton, Dickinson and Company)

Ethicon, Inc.

Cisco Systems, Inc.

Abbott

These companies are leading innovations in surgical robotics, automated diagnostics, remote monitoring devices, and clinical software platforms.

Market Segmentation :

By Component

Software

Hardware

Services

By Application

Diagnostics and Monitoring
Surgery and Intervention
Therapeutic Automation
Pharmacy and Laboratory Automation

By End User

Hospitals
Clinics
Diagnostic Centers
Ambulatory Surgical Centers
Research Institutes

Latest News from USA -

March 2025: Cleveland Clinic deployed AI-integrated robotic surgery tools to enhance minimally invasive procedures and shorten recovery times.

February 2025: Abbott introduced an upgraded remote cardiac monitoring platform that automates data collection and real-time physician alerts.

January 2025: Cisco Health expanded its cloud automation framework for hospitals to improve network security and IoT device integration.

Latest News from Japan -

April 2025: Philips Japan partnered with Tokyo Medical Center to launch AI-driven radiology automation for real-time imaging analysis.

February 2025: BD Japan released automated diagnostic tools in regional hospitals to reduce sample processing time.

January 2025: Japan's Ministry of Health approved a new policy supporting robotic automation in elderly care homes to offset labor shortages.

Recent Key Developments are ;

Medtronic launched a smart insulin pump with real-time glucose trend automation.

Stryker completed the acquisition of a surgical robotics startup to expand its automation capabilities.

Boston Scientific upgraded its EndoVision automation suite to support AI-assisted endoscopy procedures.

Cisco announced a dedicated healthcare automation platform for secure data transfer and system integration.

Thermo Fisher Scientific introduced a fully automated lab diagnostics analyzer for rapid infectious disease detection.

Conclusion -

The Healthcare Automation Tools Market is witnessing robust expansion, propelled by the need for faster, more efficient, and precise healthcare delivery systems. With advancements in AI, robotics, and data analytics, automation is becoming central to hospital operations, diagnostics, and patient management. As healthcare providers across the globe continue to prioritize digital transformation, automation tools are set to play a pivotal role in redefining the industry's future. Key players are expected to focus on strategic collaborations, acquisitions, and product upgrades to stay ahead in this rapidly evolving space.

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Sai Kumar

DataM Intelligence 4market Research LLP

+1 877-441-4866

[email us here](#)

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