

Global Genomics & Sequencing Automation Systems Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Genomics & Sequencing Automation Systems market size is expected to reach \$ 9394 million by 2032, rising at a market growth of 5.7% CAGR during the forecast period (2026-2032).

Genomics & Sequencing Automation Systems are integrated laboratory automation platforms designed to streamline, standardize, and accelerate genomic research and next-generation sequencing (NGS) workflows through the automated handling of biological samples, reagents, data processing, and sequencing preparation steps. These systems combine robotic liquid handling, nucleic acid extraction modules, sample tracking technologies, library preparation automation, laboratory information management systems (LIMS), and bioinformatics software to reduce manual intervention, improve reproducibility, increase throughput, and minimize human error.

This report studies the global Genomics & Sequencing Automation Systems demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Genomics & Sequencing Automation Systems, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Genomics & Sequencing Automation Systems that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Genomics & Sequencing Automation Systems total market, 2021-2032, (USD Million)

Global Genomics & Sequencing Automation Systems total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Genomics & Sequencing Automation Systems total market, key domestic companies, and share, (USD Million)

Global Genomics & Sequencing Automation Systems revenue by player, revenue and market share 2021-2026, (USD Million)

Global Genomics & Sequencing Automation Systems total market by Type, CAGR, 2021-2032, (USD Million)

Global Genomics & Sequencing Automation Systems total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Genomics & Sequencing Automation Systems market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Illumina, Thermo Fisher Scientific, Danaher, Agilent Technologies, Revvity, Roche Diagnostics, QIAGEN, Hamilton Company, Tecan, Becton Dickinson, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Genomics & Sequencing Automation Systems market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Genomics & Sequencing Automation Systems Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Genomics & Sequencing Automation Systems Market, Segmentation by Type:

Automated Liquid Handling Systems

Automated Nucleic Acid Extraction Systems

NGS Library Preparation Automation Systems

Robotic Sample Processing Workstations

Integrated Genomics Automation Platforms

Sequencing Workflow Automation Systems

Global Genomics & Sequencing Automation Systems Market, Segmentation by Workflow Stage:

Sample Accessioning and Tracking

DNA/RNA Extraction

Quantification and Quality Control

Library Preparation

Sample Normalization and Pooling

Sequencing Setup and Loading

Post-Sequencing Data Processing

Global Genomics & Sequencing Automation Systems Market, Segmentation by Throughput Level:

Low-Throughput Systems

Medium-Throughput Systems

High-Throughput Systems

Ultra-High-Throughput Genomics Platforms

Global Genomics & Sequencing Automation Systems Market, Segmentation by Application:

Pharmaceutical and Biotechnology Companies

Clinical Diagnostic Laboratories

Academic and Research Institutes

Contract Research Organizations (CROs)

Government and Public Health Laboratories

Population Genomics Centers

Companies Profiled:

Illumina

Thermo Fisher Scientific

Danaher

Agilent Technologies

Revvity

Roche Diagnostics

QIAGEN

Hamilton Company

Tecan

Becton Dickinson

Eppendorf

MGI Tech

BGI Genomics

Autobio Diagnostics

Haier Biomedical

DAAN Gene

Key Questions Answered

1. How big is the global Genomics & Sequencing Automation Systems market?
2. What is the demand of the global Genomics & Sequencing Automation Systems market?
3. What is the year over year growth of the global Genomics & Sequencing Automation Systems market?
4. What is the total value of the global Genomics & Sequencing Automation Systems market?
5. Who are the Major Players in the global Genomics & Sequencing Automation Systems market?

6. What are the growth factors driving the market demand?

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