

# **Global Healthcare Visual Inspection Services Market Size Study, By Product (Pharmaceutical, Medical Device), By Technology (Manual Visual Inspection, Semi-automated Visual Inspection, Automated Visual Inspection), By End-use (Pharmaceutical & Biopharmaceutical Companies, Medical Device Companies, Others), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Healthcare Visual Inspection Services Market is valued at approximately USD 3.65 billion in 2023 and is projected to grow at a CAGR of 9.97% over the forecast period from 2024 to 2032. The market's growth is primarily driven by increasing regulatory requirements for quality assurance in pharmaceuticals and medical devices, technological advancements in AI-powered machine vision and deep learning algorithms, and the growing trend of outsourcing visual inspection services to Contract Development and Manufacturing Organizations (CDMOs), Contract Research Organizations (CROs), and Contract Manufacturing Organizations (CMOs).

The demand for automated and semi-automated visual inspection solutions has risen significantly, enabling enhanced defect detection, minimizing human error, and ensuring product consistency. The pharmaceutical segment, which accounted for 65.15% of market share in 2024, is benefiting from stringent GMP compliance, increasing chronic disease prevalence, and the rise in drug development activities. The medical device sector, which is projected to witness the highest CAGR over the forecast period, is leveraging automated visual inspection (AVI) to ensure compliance with FDA, EMA, and MHRA standards while reducing contamination risks and ensuring the safety of critical

medical devices.

Technological advancements, including 3D vision systems, AI-powered cloud analytics, and real-time imaging, are enhancing micro-defect detection capabilities in both pharmaceutical and medical device manufacturing. Additionally, regulatory agencies worldwide, such as the FDA, EMA, and MHRA, have reinforced the adoption of automated and semi-automated inspection techniques to enhance quality control and reduce variability in parenteral drugs, biologics, and sterile injectables. This regulatory push is leading to an increase in strategic partnerships, M&As, and global facility expansions by industry players to cater to growing market demand.

**Regional Analysis-** The North American healthcare visual inspection services market dominated the industry in 2023, accounting for 40.68% of revenue share, driven by the presence of major pharmaceutical and medical device manufacturers, stringent regulatory frameworks, and high adoption of automated inspection solutions. The European market is witnessing steady growth, fueled by an emphasis on quality control, drug innovation, and increasing regulatory scrutiny.

The Asia-Pacific region is expected to witness the fastest CAGR over the forecast period, supported by the expansion of pharmaceutical and medical device manufacturing, government initiatives to enhance quality control standards, and rising investment in outsourcing services. China, Japan, and India are emerging as key markets due to their growing contract manufacturing industry, strong export demand, and government-backed initiatives for stringent product quality standards.

#### Major Market Players Included in This Report

Charles River Laboratories

Jabil Inc.

Lonza Group

Grand River Aseptic Manufacturing

Vetter Pharma

NIVAGEN

Recipharm AB

Samsung Biologics

SGS SA

West Pharmaceutical Services, Inc.

Adragos Pharma

Catalent, Inc.

The Detailed Segments and Sub-segments of the Market Are Explained Below:

By Product:

Pharmaceutical

Medical Device

By Technology:

Manual Visual Inspection (MVI)

Semi-Automated Visual Inspection (SAVI)

Automated Visual Inspection (AVI)

By End-use:

Pharmaceutical & Biopharmaceutical Companies

Medical Device Companies

Others

## By Region:

### North America

U.S.

Canada

Mexico

### Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

Rest of Europe

### Asia-Pacific

Japan

China

India

Thailand

South Korea

Australia

Rest of Asia-Pacific

Latin America

Brazil

Argentina

Rest of Latin America

Middle East & Africa

Saudi Arabia

UAE

South Africa

Kuwait

Rest of Middle East & Africa

Years considered for the study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed geographical landscape with country-level analysis of major regions.

Competitive landscape analysis, including key players' strategies and SWOT analysis.

Evaluation of technological advancements and innovations shaping the market.

Analysis of market challenges, drivers, and opportunities influencing industry growth.

Strategic recommendations for key industry stakeholders

## Contents

### **CHAPTER 1. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET EXECUTIVE SUMMARY**

- 1.1. Global Healthcare Visual Inspection Services Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Product
  - 1.3.2. By Technology
  - 1.3.3. By End-use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET**

*Global Healthcare Visual Inspection Services Market Size Study, By Product (Pharmaceutical, Medical Device), B...*

## **DYNAMICS**

### **3.1. Market Drivers**

- 3.1.1. Increasing GMP & Regulatory Compliance
- 3.1.2. Growth in Pharmaceutical & Medical Device Outsourcing
- 3.1.3. Technological Advancements in AI-powered Inspection Systems

### **3.2. Market Challenges**

- 3.2.1. High Cost of Advanced Automated Systems
- 3.2.2. Stringent Regulatory Hurdles for New Technologies

### **3.3. Market Opportunities**

- 3.3.1. Expansion in Emerging Markets
- 3.3.2. AI & Machine Learning Integration

## **CHAPTER 4. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET INDUSTRY ANALYSIS**

### **4.1. Porter's 5 Forces Model**

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### **4.2. PESTEL Analysis**

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### **4.3. Top Investment Opportunities**

### **4.4. Top Winning Strategies**

### **4.5. Disruptive Trends**

### **4.6. Industry Expert Perspective**

### **4.7. Analyst Recommendation & Conclusion**

## **CHAPTER 5. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET SIZE & FORECASTS BY PRODUCT (2022-2032)**



### 5.1. Segment Dashboard

### 5.2. Global Healthcare Visual Inspection Services Market Revenue by Product (USD Million), 2022 & 2032

#### 5.2.1. Pharmaceutical

#### 5.2.2. Medical Device

## **CHAPTER 6. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET SIZE & FORECASTS BY TECHNOLOGY (2022-2032)**

### 6.1. Segment Dashboard

### 6.2. Global Healthcare Visual Inspection Services Market Revenue by Technology (USD Million), 2022 & 2032

#### 6.2.1. Manual Visual Inspection (MVI)

#### 6.2.2. Semi-Automated Visual Inspection (SAVI)

#### 6.2.3. Automated Visual Inspection (AVI)

## **CHAPTER 7. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET SIZE & FORECASTS BY END-USE (2022-2032)**

### 7.1. Segment Dashboard

### 7.2. Global Healthcare Visual Inspection Services Market Revenue by End-use (USD Million), 2022 & 2032

#### 7.2.1. Pharmaceutical & Biopharmaceutical Companies

#### 7.2.2. Medical Device Companies

#### 7.2.3. Others

## **CHAPTER 8. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET SIZE & FORECASTS BY REGION (2022-2032)**

### 8.1. North America Healthcare Visual Inspection Services Market

#### 8.1.1. U.S.

#### 8.1.2. Canada

#### 8.1.3. Mexico

### 8.2. Europe Healthcare Visual Inspection Services Market

#### 8.2.1. U.K.

#### 8.2.2. Germany

#### 8.2.3. France

#### 8.2.4. Italy

8.2.5. Spain

8.2.6. Denmark

8.2.7. Sweden

8.2.8. Norway

8.2.9. Rest of Europe

### 8.3. Asia-Pacific Healthcare Visual Inspection Services Market

8.3.1. Japan

8.3.2. China

8.3.3. India

8.3.4. Thailand

8.3.5. South Korea

8.3.6. Australia

8.3.7. Rest of Asia-Pacific

### 8.4. Latin America Healthcare Visual Inspection Services Market

8.4.1. Brazil

8.4.2. Argentina

8.4.3. Rest of Latin America

### 8.5. Middle East & Africa Healthcare Visual Inspection Services Market

8.5.1. Saudi Arabia

8.5.2. UAE

8.5.3. South Africa

8.5.4. Kuwait

8.5.5. Rest of Middle East & Africa

## CHAPTER 9. COMPETITIVE INTELLIGENCE

### 9.1. Key Company SWOT Analysis

9.1.1. Charles River Laboratories

9.1.2. Lonza Group

9.1.3. Samsung Biologics

### 9.2. Top Market Strategies

### 9.3. Company Profiles

## CHAPTER 10. RESEARCH PROCESS

### 11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- 1. GLOBAL HEALTHCARE VISUAL INSPECTION SERVICES MARKET, REPORT SCOPE**
- 2. MARKET ESTIMATES & FORECASTS BY REGION, 2022-2032 (USD MILLION)**
- 3. MARKET ESTIMATES & FORECASTS BY PRODUCT, 2022-2032 (USD MILLION)**
- 4. MARKET ESTIMATES & FORECASTS BY TECHNOLOGY, 2022-2032 (USD MILLION)**
- 5. MARKET ESTIMATES & FORECASTS BY END-USE, 2022-2032 (USD MILLION)**
- 6. COMPETITIVE LANDSCAPE – COMPANY REVENUE SHARES**
- 7. REGULATORY COMPLIANCE IMPACT ON MARKET GROWTH**
- 8. GMP & QUALITY CONTROL STANDARDS FOR PHARMACEUTICAL & MEDICAL DEVICES**

This list is not complete. The final report contains more than 100 tables.

## List Of Figures

### LIST OF FIGURES

- 1. HEALTHCARE VISUAL INSPECTION SERVICES MARKET, RESEARCH METHODOLOGY**
- 2. MARKET SIZE & GROWTH TRENDS (2022-2032)**
- 3. TECHNOLOGY ADOPTION TRENDS – MANUAL VS. AUTOMATED INSPECTION**
- 4. COMPETITIVE LANDSCAPE ANALYSIS – MARKET SHARE BY KEY PLAYERS**
- 5. REGULATORY IMPACT ON AUTOMATED VISUAL INSPECTION SERVICES**
- 6. AI & MACHINE LEARNING ADOPTION IN VISUAL INSPECTION**
- 7. REGIONAL MARKET TRENDS & GROWTH FORECASTS**
- 8. EMERGING TRENDS IN OUTSOURCED VISUAL INSPECTION SERVICES**
- 9. IMPACT OF GMP & FDA REGULATIONS ON MARKET GROWTH**
- 10. MARKET PENETRATION OF AUTOMATED INSPECTION TECHNOLOGIES**

This list is not complete. The final report contains more than 50 figures.

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