

# **Global Whole Slide Imaging Market Size study & Forecast, by Products (Scanners, Image management system, Software Service, Viewers) by Application (Telepathology, Cytopathology, Immunohistochemistry, Hematopathology Cancer, Cardiology) by End User (Biotechnology and Pharmaceutical Companies, Academic and Research Institutes Hospitals and Clinics) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/G8654434654BEN.html>

Date: July 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G8654434654BEN

## **Abstracts**

Global Whole Slide Imaging Market is valued approximately USD xxx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xxx over the forecast period 2023-2030. Whole slide imaging (WSI), also known as virtual microscopy, is an advanced digital imaging technique used by pathologists. It involves capturing high-resolution digital images of entire tissue sections from glass slides and transforming them into a digital format. The whole slide imaging market is driven by several factors, including the increasing use of imaging technology in drug discovery, advancements in digital imaging, the preference for virtual slides over physical ones, and the rising prevalence of cancer worldwide. The demand for whole slide imaging systems is also driven by the need for quick, clear, and high-resolution digital images in pathology, ensuring patient safety and diagnostic accuracy. The growing prevalence of chronic diseases, especially cancer, further contributes to the adoption of these systems in disease diagnostics.

Immunohistochemistry (IHC) is a widely used technique in pathology to detect antigens in tissue samples. It allows for the observation of protein expression and is utilized in

biotech companies for research and drug development. According to the Clinicaltrials.gov in April 7 2022, reported 410,319 registered studies, consisting of 169,924 medication or biologic studies, and 61,961 recruiting studies. These studies span across all 50 states and 220 countries, indicating a global demand for clinical research. Additionally, technological developments in the field of whole slide imaging technology and growing popularity of virtual/digital slides offer lucrative growth opportunities for players in the whole slide imaging market. However, the high cost of Whole Slide Imaging stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Whole Slide Imaging Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to rising investment from key players and growing US government funding for healthcare are driving the demand for whole slide imaging, particularly in the United States. For instance, the Congressional Budget Office, 2021, published Federal funding for the National Institute of Health (NIH) has exceeded USD 700 billion, and the FDA granted six funding grants in 2020 for clinical trials and pharmaceutical development. Asia Pacific is expected to fastest growing significantly during the forecast period, owing to rise in drug discovery research and increased awareness of the benefits of whole slide imaging have led to an increase in government initiatives to adopt advanced technologies and invest in research and development experiments.

Major market player included in this report are:

Indica Laboratories

Definiens AG

Olympus Corporation

Leica Microsystems GmbH

Nikon Corporation

Inspirata India Private Limited

Mikroscan Technologies

3DHISTECH Kft.

Hamamatsu Photonics K. K

Philips Healthcare

Recent Developments in the Market:

In March 2022, Leica Microsystems introduced Mica, the world's first Microhub, which revolutionizes microscopy by offering a fully integrated imaging solution. With automation tools, machine learning software, and advanced fluorescence unmixing techniques, Mica simplifies the imaging workflow and makes microscopy accessible to researchers of all levels of experience.

Global Whole Slide Imaging Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Products, Application, End User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Scanners

Image management system

Software Service

Viewers

By Application:

Telepathology

Cytopathology

Immunohistochemistry

Hematopathology Cancer

Cardiology

By End User:

Biotechnology and Pharmaceutical Companies

Academic and Research Institutes

Hospitals and Clinics

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Whole Slide Imaging Market, by region, 2020-2030 (USD Billion)
  - 1.2.2. Whole Slide Imaging Market, by Products, 2020-2030 (USD Billion)
  - 1.2.3. Whole Slide Imaging Market, by Applications, 2020-2030 (USD Billion)
  - 1.2.4. Whole Slide Imaging Market, by End User, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL WHOLE SLIDE IMAGING MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL WHOLE SLIDE IMAGING MARKET DYNAMICS

- 3.1. Whole Slide Imaging Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing use of imaging technology in drug discovery
    - 3.1.1.2. Growing prevalence of cancer
  - 3.1.2. Market Challenges
    - 3.1.2.1. High Cost of Whole Slide Imaging
    - 3.1.2.2. Stringent regulatory approvals
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Technological developments in the field of whole slide imaging technology
    - 3.1.3.2. Growing popularity of virtual/digital slides

### CHAPTER 4. GLOBAL WHOLE SLIDE IMAGING MARKET: INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL WHOLE SLIDE IMAGING MARKET, BY PRODUCTS**

- 5.1. Market Snapshot
- 5.2. Global Whole Slide Imaging Market by Products, Performance - Potential Analysis
- 5.3. Global Whole Slide Imaging Market Estimates & Forecasts by Products 2020-2030 (USD Billion)
- 5.4. Whole Slide Imaging Market, Sub Segment Analysis
  - 5.4.1. Scanners
  - 5.4.2. Image management system
  - 5.4.3. Software Service
  - 5.4.4. Viewers

## **CHAPTER 6. GLOBAL WHOLE SLIDE IMAGING MARKET, BY APPLICATIONS**

- 6.1. Market Snapshot
- 6.2. Global Whole Slide Imaging Market by Applications, Performance - Potential Analysis
- 6.3. Global Whole Slide Imaging Market Estimates & Forecasts by Applications

2020-2030 (USD Billion)

#### 6.4. Whole Slide Imaging Market, Sub Segment Analysis

- 6.4.1. Telepathology
- 6.4.2. Cytopathology
- 6.4.3. Immunohistochemistry
- 6.4.4. Hematopathology Cancer
- 6.4.5. Cardiology

### **CHAPTER 7. GLOBAL WHOLE SLIDE IMAGING MARKET, BY END USER**

#### 7.1. Market Snapshot

#### 7.2. Global Whole Slide Imaging Market by End User, Performance - Potential Analysis

#### 7.3. Global Whole Slide Imaging Market Estimates & Forecasts by End User 2020-2030 (USD Billion)

#### 7.4. Whole Slide Imaging Market, Sub Segment Analysis

- 7.4.1. Biotechnology and Pharmaceutical Companies
- 7.4.2. Academic and Research Institutes
- 7.4.3. Hospitals and Clinics

### **CHAPTER 8. GLOBAL WHOLE SLIDE IMAGING MARKET, REGIONAL ANALYSIS**

#### 8.1. Top Leading Countries

#### 8.2. Top Emerging Countries

#### 8.3. Whole Slide Imaging Market, Regional Market Snapshot

#### 8.4. North America Whole Slide Imaging Market

##### 8.4.1. U.S. Whole Slide Imaging Market

###### 8.4.1.1. Products breakdown estimates & forecasts, 2020-2030

###### 8.4.1.2. Applications breakdown estimates & forecasts, 2020-2030

###### 8.4.1.3. End User breakdown estimates & forecasts, 2020-2030

##### 8.4.2. Canada Whole Slide Imaging Market

#### 8.5. Europe Whole Slide Imaging Market Snapshot

##### 8.5.1. U.K. Whole Slide Imaging Market

##### 8.5.2. Germany Whole Slide Imaging Market

##### 8.5.3. France Whole Slide Imaging Market

##### 8.5.4. Spain Whole Slide Imaging Market

##### 8.5.5. Italy Whole Slide Imaging Market

##### 8.5.6. Rest of Europe Whole Slide Imaging Market

#### 8.6. Asia-Pacific Whole Slide Imaging Market Snapshot

##### 8.6.1. China Whole Slide Imaging Market

- 8.6.2. India Whole Slide Imaging Market
- 8.6.3. Japan Whole Slide Imaging Market
- 8.6.4. Australia Whole Slide Imaging Market
- 8.6.5. South Korea Whole Slide Imaging Market
- 8.6.6. Rest of Asia Pacific Whole Slide Imaging Market
- 8.7. Latin America Whole Slide Imaging Market Snapshot
  - 8.7.1. Brazil Whole Slide Imaging Market
  - 8.7.2. Mexico Whole Slide Imaging Market
- 8.8. Middle East & Africa Whole Slide Imaging Market
  - 8.8.1. Saudi Arabia Whole Slide Imaging Market
  - 8.8.2. South Africa Whole Slide Imaging Market
  - 8.8.3. Rest of Middle East & Africa Whole Slide Imaging Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Indica Laboratories
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Recent Developments
  - 9.3.2. Definiens AG
  - 9.3.3. Olympus Corporation
  - 9.3.4. Leica Microsystems GmbH
  - 9.3.5. Nikon Corporation
  - 9.3.6. Inspirata India Private Limited
  - 9.3.7. Mikroscan Technologies
  - 9.3.8. 3DHISTECH Kft.
  - 9.3.9. Hamamatsu Photonics K. K
  - 9.3.10. Philips Healthcare

## **CHAPTER 10. RESEARCH PROCESS**



## 10.1. Research Process

### 10.1.1. Data Mining

### 10.1.2. Analysis

### 10.1.3. Market Estimation

### 10.1.4. Validation

### 10.1.5. Publishing

## 10.2. Research Attributes

## 10.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Whole Slide Imaging Market, report scope

TABLE 2. Global Whole Slide Imaging Market estimates & forecasts by region  
2020-2030 (USD Billion)

TABLE 3. Global Whole Slide Imaging Market estimates & forecasts by Products  
2020-2030 (USD Billion)

TABLE 4. Global Whole Slide Imaging Market estimates & forecasts by Applications  
2020-2030 (USD Billion)

TABLE 5. Global Whole Slide Imaging Market estimates & forecasts by End User  
2020-2030 (USD Billion)

TABLE 6. Global Whole Slide Imaging Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7. Global Whole Slide Imaging Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8. Global Whole Slide Imaging Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9. Global Whole Slide Imaging Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10. Global Whole Slide Imaging Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11. Global Whole Slide Imaging Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12. Global Whole Slide Imaging Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13. Global Whole Slide Imaging Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14. Global Whole Slide Imaging Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15. Global Whole Slide Imaging Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 16. U.S. Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 17. U.S. Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18. U.S. Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 19. Canada Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Whole Slide Imaging Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. RoE Whole Slide Imaging Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40. China Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 42. China Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 43. India Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 45. India Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 46. Japan Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 48. Japan Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 49. South Korea Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 51. South Korea Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 52. Australia Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 54. Australia Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 55. RoAPAC Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 57. RoAPAC Whole Slide Imaging Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 58. Brazil Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Whole Slide Imaging Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Whole Slide Imaging Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Whole Slide Imaging Market

TABLE 71. List of primary sources, used in the study of global Whole Slide Imaging Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Whole Slide Imaging Market, research methodology
  - FIG 2. Global Whole Slide Imaging Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Whole Slide Imaging Market, key trends 2022
  - FIG 5. Global Whole Slide Imaging Market, growth prospects 2023-2030
  - FIG 6. Global Whole Slide Imaging Market, porters 5 force model
  - FIG 7. Global Whole Slide Imaging Market, pest analysis
  - FIG 8. Global Whole Slide Imaging Market, value chain analysis
  - FIG 9. Global Whole Slide Imaging Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Whole Slide Imaging Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Whole Slide Imaging Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Whole Slide Imaging Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Whole Slide Imaging Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Whole Slide Imaging Market, regional snapshot 2020 & 2030
  - FIG 15. North America Whole Slide Imaging Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Whole Slide Imaging Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia pacific Whole Slide Imaging Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Whole Slide Imaging Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Whole Slide Imaging Market 2020 & 2030 (USD Billion)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Whole Slide Imaging Market Size study & Forecast, by Products (Scanners, Image management system, Software Service, Viewers) by Application (Telepathology, Cytopathology, Immunohistochemistry, Hematopathology Cancer, Cardiology) by End User (Biotechnology and Pharmaceutical Companies, Academic and Research Institutes Hospitals and Clinics) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G8654434654BEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G8654434654BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970