

# Whole Slide Imaging Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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## Abstracts

The global whole slide imaging market reached a value of US\$ 616.9 Million in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 1,257.4 Million by 2027 exhibiting a CAGR of 12.10% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Whole slide imaging (WSI) is scanning glass slides used to produce high-resolution and precise digital images of tissue sections. It comprises a focusing unit, camera, illumination systems, scanners, viewers, image management system, and microscopic optical components. WSI utilizes a specialized scanner to digitize glass slides and generate large digital images that are analyzed, stored, and shared through the virtual slide viewer. It is widely used in immunohistochemistry, telepathology, hematopathology, and cytopathology. WSI assists in improving accuracy, speed of analysis, increasing productivity, reducing errors, and providing reliable and convenient results. As a result, it is widely used across academic and research institutes, biotechnology and pharmaceutical companies, and hospitals and clinics. Whole Slide Imaging Market Trends:

The significant growth in the healthcare industry and the rising focus on patient safety across the globe are the prime factors creating a positive outlook for the market. Additionally, the rising prevalence of cancer due to the changing lifestyles, genetic mutation, and increasing smoking and alcohol habits is favoring the market growth. In line with this, WSI is extensively used in diagnostic procedures for suspected skin, lungs, and breast cancer, which is further providing an impetus to the market growth. Moreover, various technological advancements, such as the integration of artificial

intelligence (AI) and machine learning (ML) to assist in various diseases and diagnoses and provide precision medicine delivery, are providing a considerable boost to the market growth. In line with this, the widespread adoption of whole slide imaging in immunohistochemistry (IHC) to observe protein expression in tissue samples and detect antigens in the cells is positively impacting the market growth. Other factors, such as the increasing product demand in drug discovery and extensive research and development (R&D) activities, are anticipated to drive the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global whole slide imaging market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on technology, application and end user.

#### Breakup by Technology: Scanners

IT Infrastructure

Viewer

Image Management System

#### Breakup by Application:

Immunohistochemistry

Telepathology

Cytopathology

Hematopathology

#### Breakup by End User:

Academic Institute

Research

Others

#### Breakup by Region: North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3DHISTECH Ltd., Beckman Coulter Inc. (Danaher Corporation), F. Hoffmann-La Roche AG, General Electric Company, Hamamatsu Photonics KK, Huron Technologies International, Inspirata Inc., Koninklijke Philips N.V., Mikroscan Technologies Inc., Olympus Corporation, Perkinelmer Inc. and Visiopharm A/S. Key Questions Answered in This Report:

How has the global whole slide imaging market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global whole slide imaging market?

What are the key regional markets?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global whole slide imaging market and who are the key players?

What is the degree of competition in the industry?

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