

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

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Abstracts

The global intraoperative imaging market reached a value of US\$ 2.0 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 2.8 Billion by 2027, exhibiting a CAGR of 5.4% 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.

Intraoperative imaging enables surgeons to get the image of implant position and surgical view of anatomical structures, such as organs, tissues, and cells. It is widely utilized in glioblastoma neurosurgery and to treat dystonia, epilepsy, essential tremor, glioma, and Parkinson's disease. It is also used to perform minimally invasive surgery (MIS) of spines, verifying surgical accuracy and ensuring that a spinal implant is placed in the desired place. Presently, intraoperative three-dimensional (3D) imaging with mobile C-arms is gaining traction for reconstructing complex joint fractures. It shows the position of instruments in real-time, which aid in improving precision and allowing safe implant placement in challenging situations.

Intraoperative Imaging Market Trends:

A considerable increase in the number of surgeries due to the growing overall and aging population and the rising prevalence of chronic ailments represent one of the main factors driving the market. Moreover, rising awareness about the advantages of MIS as compared to conventional surgeries is escalating the need for intraoperative imaging. It can also be used to perform and confirm correct alignment and orientation of the implant, such as the acetabular cup, and rule out accompanying fractures of the acetabular region or the femoral shaft. Apart from this, several manufacturers are

offering state-of-the-art intraoperative imaging systems with augmented reality (AR) to correct brain deformation and for laparoscopic liver surgical navigation. Furthermore, researchers are focusing on innovative strategies and advanced technologies to introduce performant and high-resolution intraoperative imaging to advance novel surgical techniques.

Key Market Segmentation:

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

Breakup by Product:

- iCT
- iMRI
- iUltrasound
- C-arm Systems

Breakup by Application:

- Neurosurgery
- Orthopedic Surgery
- ENT Surgery
- Oncology Surgery
- Trauma Surgery/Emergency room
- Cardiovascular
- Others

Breakup by End Use:

- Hospitals and Clinics
- Ambulatory Surgical Centers
- Academic Institutes and Research Laboratories

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 Brainlab AG, Canon Inc., General Electric Company, IMRIS (Deerfield Imaging Inc.), Koninklijke Philips N.V., Medtronic plc, NeuroLogica Corp. (Samsung Electronics Co. Ltd.), Shenzhen Anke High-Tech Co. Ltd, Shimadzu Corporation, Siemens Ag, Stryker Corporation and Ziehm Imaging GmbH.

Key Questions Answered in This Report:

How has the global intraoperative 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 intraoperative imaging market?

What are the key regional markets?

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

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

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

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 intraoperative imaging market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL INTRAOPERATIVE IMAGING MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 iCT
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 iMRI
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 iUltrasound

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 C-arm Systems
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Neurosurgery
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Orthopedic Surgery
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 ENT Surgery
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Oncology Surgery
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Trauma Surgery/Emergency room
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Cardiovascular
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Others
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY END USE

- 8.1 Hospitals and Clinics
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Ambulatory Surgical Centers
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Academic Institutes and Research Laboratories

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

- 9.3.2.1 Market Trends
- 9.3.2.2 Market Forecast
- 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
- 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Brainlab AG
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Canon Inc.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 General Electric Company
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 IMRIS (Deerfield Imaging Inc.)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Koninklijke Philips N.V.
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials

- 14.3.5.4 SWOT Analysis
- 14.3.6 Medtronic plc
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 NeuroLogica Corp. (Samsung Electronics Co. Ltd.)
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Shenzhen Anke High-Tech Co. Ltd
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Shimadzu Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Siemens Ag
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Stryker Corporation
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Ziehm Imaging GmbH
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Intraoperative Imaging Market: Key Industry Highlights, 2021 and 2027

Table 2: Global: Intraoperative Imaging Market Forecast: Breakup by Product (in Million US\$), 2022-2027

Table 3: Global: Intraoperative Imaging Market Forecast: Breakup by Application (in Million US\$), 2022-2027

Table 4: Global: Intraoperative Imaging Market Forecast: Breakup by End Use (in Million US\$), 2022-2027

Table 5: Global: Intraoperative Imaging Market Forecast: Breakup by Region (in Million US\$), 2022-2027

Table 6: Global: Intraoperative Imaging Market: Competitive Structure

Table 7: Global: Intraoperative Imaging Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Intraoperative Imaging Market: Major Drivers and Challenges

Figure 2: Global: Intraoperative Imaging Market: Sales Value (in Billion US\$), 2016-2021

Figure 3: Global: Intraoperative Imaging Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 4: Global: Intraoperative Imaging Market: Breakup by Product (in %), 2021

Figure 5: Global: Intraoperative Imaging Market: Breakup by Application (in %), 2021

Figure 6: Global: Intraoperative Imaging Market: Breakup by End Use (in %), 2021

Figure 7: Global: Intraoperative Imaging Market: Breakup by Region (in %), 2021

Figure 8: Global: Intraoperative Imaging (iCT) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 9: Global: Intraoperative Imaging (iCT) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 10: Global: Intraoperative Imaging (iMRI) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 11: Global: Intraoperative Imaging (iMRI) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 12: Global: Intraoperative Imaging (iUltrasound) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 13: Global: Intraoperative Imaging (iUltrasound) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 14: Global: Intraoperative Imaging (C-arm Systems) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 15: Global: Intraoperative Imaging (C-arm Systems) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 16: Global: Intraoperative Imaging (Neurosurgery) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 17: Global: Intraoperative Imaging (Neurosurgery) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 18: Global: Intraoperative Imaging (Orthopedic Surgery) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 19: Global: Intraoperative Imaging (Orthopedic Surgery) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 20: Global: Intraoperative Imaging (ENT Surgery) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 21: Global: Intraoperative Imaging (ENT Surgery) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 22: Global: Intraoperative Imaging (Oncology Surgery) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 23: Global: Intraoperative Imaging (Oncology Surgery) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 24: Global: Intraoperative Imaging (Trauma Surgery/Emergency Room) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 25: Global: Intraoperative Imaging (Trauma Surgery/Emergency Room) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 26: Global: Intraoperative Imaging (Cardiovascular) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 27: Global: Intraoperative Imaging (Cardiovascular) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 28: Global: Intraoperative Imaging (Other Applications) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 29: Global: Intraoperative Imaging (Other Applications) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 30: Global: Intraoperative Imaging (Hospitals and Clinics) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 31: Global: Intraoperative Imaging (Hospitals and Clinics) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 32: Global: Intraoperative Imaging (Ambulatory Surgical Centers) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 33: Global: Intraoperative Imaging (Ambulatory Surgical Centers) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 34: Global: Intraoperative Imaging (Academic Institutes and Research Laboratories) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 35: Global: Intraoperative Imaging (Academic Institutes and Research Laboratories) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 36: North America: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 37: North America: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 38: United States: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 39: United States: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 40: Canada: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 &

2021

Figure 41: Canada: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 42: Asia-Pacific: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 43: Asia-Pacific: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 44: China: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 45: China: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 46: Japan: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 47: Japan: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 48: India: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 49: India: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 50: South Korea: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 51: South Korea: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 52: Australia: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 53: Australia: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 54: Indonesia: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 55: Indonesia: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 56: Others: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 57: Others: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 58: Europe: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 59: Europe: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 60: Germany: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 61: Germany: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 62: France: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 63: France: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 64: United Kingdom: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 65: United Kingdom: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 66: Italy: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 67: Italy: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 68: Spain: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 69: Spain: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 70: Russia: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 71: Russia: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 72: Others: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 73: Others: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 74: Latin America: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 75: Latin America: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 76: Brazil: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 77: Brazil: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 78: Mexico: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 79: Mexico: Intraoperative Imaging Market Forecast: Sales Value (in Million

US\$), 2022-2027

Figure 80: Others: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 81: Others: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 82: Middle East and Africa: Intraoperative Imaging Market: Sales Value (in Million US\$), 2016 & 2021

Figure 83: Middle East and Africa: Intraoperative Imaging Market: Breakup by Country (in %), 2021

Figure 84: Middle East and Africa: Intraoperative Imaging Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 85: Global: Intraoperative Imaging Industry: SWOT Analysis

Figure 86: Global: Intraoperative Imaging Industry: Value Chain Analysis

Figure 87: Global: Intraoperative Imaging Industry: Porter's Five Forces Analysis

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