

# **Preoperative Surgical Planning Software Market by Type (Off-premises Software, On-premises), Application (Orthopedic Surgery, Neurosurgery, Dental & Orthodontics Application, and Others), End User (Hospitals, Ambulatory Surgical Centers, and Others), and Region 2023-2028**

<https://marketpublishers.com/r/P778231C7D83EN.html>

Date: January 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: P778231C7D83EN

## **Abstracts**

The global preoperative surgical planning software market size reached US\$ 203.7 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,034.3 Million by 2028, exhibiting a growth rate (CAGR) of 27.30% during 2023-2028.

Preoperative surgical planning software refers to an application that involves preparation, defining the expected outcome, and analyzing bone segment repositioning during knee, hip, and joint reconstruction surgeries. It creates digitally accurate data and stores it in the cloud server, allowing easy access to surgeons before surgery. It involves various technologically advanced equipment required for primary and revision arthroplasty, trauma, deformity, pediatrics, and spine. Besides this, the software assists in three-dimensional (3D) reconstruction and reducing complications, facilitating surgeons in making only necessary bone cuts and reducing blood loss during operation. As a result, preoperative surgical planning software is used across the globe.

**Preoperative Surgical Planning Software Market Trends:**

The growing global population, which is more susceptible to several chronic cardiovascular disorders, arthritis, and orthopedic impairment, represents one of the key factors positively influencing the market. In addition, the rising prevalence of sports injuries and road accidents is catalyzing the demand for preoperative surgical planning software around the world. Apart from this, the increasing number of surgeries, along

with shifting consumer preference toward minimally invasive surgeries (MIS), is strengthening the market growth. In line with this, the expansion of hospitals, surgical centers, and ambulatory care centers (ACCs) is creating a positive market outlook. Furthermore, significant improvement in healthcare infrastructure, coupled with the introduction of various advanced technologies in the industry, is contributing to market growth. Additionally, rising awareness among individuals about the benefits of early diagnosis and treatment of orthopedic disorders is offering lucrative growth opportunities to manufacturers. Moreover, various leading preoperative surgical planning software providers are focusing on integrating cloud-based interfaces, which is expected to propel the market growth in the coming years.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global preoperative surgical planning software market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type application and end user.

#### Breakup by Type:

- Off-premises Software
- On-premises

#### Breakup by Application:

- Orthopedic Surgery
- General Orthopedic Surgery
- Deformity Correction
- Fracture Management
- Joint Reconstruction
- Neurosurgery
- Dental & Orthodontics Application
- Others

#### Breakup by End User:

- Hospitals
- Ambulatory Surgical Centers
- 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 Brainlab AG, EchoPixel Inc., General Electric Company, Materialise NV, mediCAD Hectec GmbH, Nemotec, Peek Health S.A., Renishaw plc, Stryker Corporation and Zimmer Biomet. Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

## Key Questions Answered in This Report

1. What was the size of the global preoperative surgical planning software market in 2022?
2. What is the expected growth rate of the global preoperative surgical planning

software market during 2023-2028?

3. What are the key factors driving the global preoperative surgical planning software market?

4. What has been the impact of COVID-19 on the global preoperative surgical planning software market?

5. What is the breakup of the global preoperative surgical planning software market based on the type?

6. What is the breakup of the global preoperative surgical planning software market based on the application?

7. What is the breakup of the global preoperative surgical planning software market based on the end user?

8. What are the key regions in the global preoperative surgical planning software market?

9. Who are the key players/companies in the global preoperative surgical planning software market?

## 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 PREOPERATIVE SURGICAL PLANNING SOFTWARE MARKET

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

### 6 MARKET BREAKUP BY TYPE

- 6.1 Off-premises Software
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 On-premises
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Orthopedic Surgery
  - 7.1.1 Market Trends
  - 7.1.2 Key Segments
    - 7.1.2.1 General Orthopedic Surgery
    - 7.1.2.2 Deformity Correction
    - 7.1.2.3 Fracture Management
    - 7.1.2.4 Joint Reconstruction
  - 7.1.3 Market Forecast
- 7.2 Neurosurgery
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Dental & Orthodontics Application
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Hospitals
  - 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 Others
  - 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 EchoPixel Inc.

##### 14.3.2.1 Company Overview

##### 14.3.2.2 Product Portfolio

#### 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 Materialise NV

##### 14.3.4.1 Company Overview

##### 14.3.4.2 Product Portfolio

##### 14.3.4.3 Financials

#### 14.3.5 mediCAD Hectec GmbH

##### 14.3.5.1 Company Overview

##### 14.3.5.2 Product Portfolio

#### 14.3.6 Nemetec

##### 14.3.6.1 Company Overview

##### 14.3.6.2 Product Portfolio

#### 14.3.7 Peek Health S.A.

##### 14.3.7.1 Company Overview

##### 14.3.7.2 Product Portfolio

#### 14.3.8 Renishaw plc

##### 14.3.8.1 Company Overview

##### 14.3.8.2 Product Portfolio

##### 14.3.8.3 Financials

#### 14.3.9 Stryker 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 Zimmer Biomet

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.10.3 Financials

14.3.10.4 SWOT Analysis

Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report

## List Of Tables

### LIST OF TABLES

Table 1: Global: Preoperative Surgical Planning Software Market: Key Industry Highlights, 2022 & 2028

Table 2: Global: Preoperative Surgical Planning Software Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Preoperative Surgical Planning Software Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Preoperative Surgical Planning Software Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Preoperative Surgical Planning Software Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Preoperative Surgical Planning Software Market: Competitive Structure

Table 7: Global: Preoperative Surgical Planning Software Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Preoperative Surgical Planning Software Market: Major Drivers and Challenges

Figure 2: Global: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Preoperative Surgical Planning Software Market: Breakup by Type (in %), 2022

Figure 5: Global: Preoperative Surgical Planning Software Market: Breakup by Application (in %), 2022

Figure 6: Global: Preoperative Surgical Planning Software Market: Breakup by End User (in %), 2022

Figure 7: Global: Preoperative Surgical Planning Software Market: Breakup by Region (in %), 2022

Figure 8: Global: Preoperative Surgical Planning Software (Off-premises Software) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Preoperative Surgical Planning Software (Off-premises Software) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Preoperative Surgical Planning Software (On-premises) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Preoperative Surgical Planning Software (On-premises) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Preoperative Surgical Planning Software (Orthopedic Surgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Preoperative Surgical Planning Software (Orthopedic Surgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Preoperative Surgical Planning Software (Neurosurgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Preoperative Surgical Planning Software (Neurosurgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Preoperative Surgical Planning Software (Dental & Orthodontics Application) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Preoperative Surgical Planning Software (Dental & Orthodontics Application) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Preoperative Surgical Planning Software (Other Applications) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Preoperative Surgical Planning Software (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Preoperative Surgical Planning Software (Hospitals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Preoperative Surgical Planning Software (Hospitals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Preoperative Surgical Planning Software (Ambulatory Surgical Centers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Preoperative Surgical Planning Software (Ambulatory Surgical Centers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Preoperative Surgical Planning Software (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Preoperative Surgical Planning Software (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: North America: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: North America: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: United States: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: United States: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Canada: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Canada: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Asia-Pacific: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Asia-Pacific: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: China: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: China: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Japan: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Japan: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: India: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: India: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: South Korea: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: South Korea: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Australia: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Australia: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Indonesia: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Indonesia: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Others: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Others: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Europe: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Europe: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Germany: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Germany: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: France: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: France: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: United Kingdom: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: United Kingdom: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Italy: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Italy: Preoperative Surgical Planning Software Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 58: Spain: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Spain: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Russia: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Russia: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Others: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Others: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Latin America: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Latin America: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Brazil: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Brazil: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Mexico: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Mexico: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Others: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Others: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Middle East and Africa: Preoperative Surgical Planning Software Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Middle East and Africa: Preoperative Surgical Planning Software Market: Breakup by Country (in %), 2022

Figure 74: Middle East and Africa: Preoperative Surgical Planning Software Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Global: Preoperative Surgical Planning Software Industry: SWOT Analysis

Figure 76: Global: Preoperative Surgical Planning Software Industry: Value Chain Analysis

Figure 77: Global: Preoperative Surgical Planning Software Industry: Porter's Five

## Forces Analysis



## I would like to order

Product name: Preoperative Surgical Planning Software Market by Type (Off-premises Software, On-premises), Application (Orthopedic Surgery, Neurosurgery, Dental & Orthodontics Application, and Others), End User (Hospitals, Ambulatory Surgical Centers, and Others), and Region 2023-2028

Product link: <https://marketpublishers.com/r/P778231C7D83EN.html>

Price: US\$ 2,499.00 (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/P778231C7D83EN.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