

# **Surgical Navigation Systems Market by Technology (Electromagnetic Navigation Systems, Hybrid Navigation Systems, Optical Navigation Systems, CT-Based Navigation Systems, and Fluoroscopy-Based Navigation Systems), Application [Neurosurgery Navigation Systems, Orthopedic Navigation Systems (Hip & Knee Replacement), ENT Navigation Systems, Dental Navigation Systems, and Cardiac Navigation Systems] - Global Opportunity Analysis and Industry Forecast, 2014-2022**

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## **Abstracts**

Surgical navigation system is extensively used in different types of surgeries such as neurosurgery, orthopedic surgery and ENT surgery. Surgical navigation system employ computer software and tools for performing planned surgical procedures. Surgical navigation is also termed as image guided surgery, computer assisted intervention and computer assisted surgery. Surgical navigation in surgery is one of the important surgical decision-making tool. It develops precise replica in form of image of target anatomical structure. These images are further processed to develop a 3D data set that develops precise geometrical structure of the targeted surgical area or the region to be operated. Surgical navigation systems market is primarily driven by factors such as increasing incidence & prevalence of neurosurgical, orthopedic(hip & knee replacement), and ENT disorders; increasing government funding for research and development of surgical navigation systems, launch of technologically advanced navigation systems, and increasing acceptance of minimally invasive surgical procedures. However, factors like high cost of navigation systems, and stringent FDA

regulation for product approval are likely to restrain the market growth during the forecast period.

The global surgical navigation systems market studied in this report is segmented by technology, application, end-user, and geography. Based on the technology, the surgical navigation systems market has been categorized into electromagnetic navigation systems, hybrid navigation systems, optical navigation systems, fluoroscopy-based navigation systems and others. Based on the application, market has been categorized into neurosurgery navigation systems, orthopedic navigation systems (hip and knee replacement), ENT navigation systems, dental navigation systems and cardiac navigation systems. Based on the end-user, market has been classified into physician practices & ambulatory settings and hospitals.

Geographically, global surgical navigation systems market is segmented into North America, Europe, Asia-Pacific and LAMEA. North America accounted for the largest market share due to factors such well-established healthcare system in the region, higher adoption of healthcare information technologies, and increase in the number of complex surgical procedures. However, Asia-Pacific is expected to emerge as the area with maximum growth potential due to focus of key players on emerging economies, and improving healthcare infrastructure.

Prominent players in surgical navigation systems market include Medtronic plc (Ireland), Stryker Corporation (U.S.), Brainlab AG (Germany), B. Braun Melsungen AG (Germany), Scopis GmbH (Germany), Fiagon AG (Germany), Karl Storz GmbH & Co. KG (Germany), Amplitude Surgical (France), Zimmer Biomet Holdings, Inc. (U.S.), and Siemens Healthineers (Germany).

#### Key Benefits

The study provides an in-depth analysis of the surgical navigation systems market with current trends and future estimations to elucidate the imminent investment pockets in the market

The report provides a quantitative analysis from 2014 to 2022 to enable the stakeholders to capitalize on prevailing market opportunities

Extensive analysis by surgical navigation systems helps in understanding the various trends and prevailing opportunities in the respective market

Comprehensive analysis of all geographical regions is provided, which assist in determining the major opportunities in these geographies

Key players within the market are profiled in this report and their strategies are

analyzed thoroughly, which predict competitive outlook of the global surgical navigation systems market

## Surgical Navigation Systems Market Key Segments By Technology

Electromagnetic navigation systems

Hybrid navigation systems

Optical navigation systems

Fluoroscopy-based navigation systems

CT-based Navigation systems

Others

## By Application

Neurosurgery navigation systems

Orthopedic navigation systems

Hip Replacements

Knee Replacement

ENT navigation systems

Dental navigation systems

Cardiac Navigation systems

## By End Users

Practices & ambulatory settings

Hospitals

## By Geography

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Rest of Europe

Asia-Pacific

Japan

India

China

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

## Contents

### CHAPTER 1 INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Secondary research
  - 1.4.2. Primary research
- 1.5. Analyst tools and models

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1. Key findings of the study
- 2.2. CXO perspective

### CHAPTER 3 MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Product Portfolio Analysis
- 3.3. Porters five forces analysis
  - 3.3.1. Bargaining power of buyers
  - 3.3.2. Bargaining power of suppliers
  - 3.3.3. Threat of substitutes
  - 3.3.4. Threat of new entrants
  - 3.3.5. Competitive rivalry
- 3.4. Top investment pockets
- 3.5. Surgical navigation systems: Market share analysis, 2015
- 3.6. Market dynamics
  - 3.6.1. Drivers
    - 3.6.1.1. Increasing Adoption of Minimally Invasive Surgical Procedures
    - 3.6.1.2. Increasing incidence & prevalence of neurological disorders
    - 3.6.1.3. Technological Advancement
    - 3.6.1.4. Rapidly increasing aging population and subsequent rise in the number of orthopedic & ENT disorders
  - 3.6.2. Restraint
    - 3.6.2.1. High Cost of Surgical Navigation Systems
    - 3.6.2.2. Stringent Rules & Regulations for product approval and product recall in

recent past

### 3.6.3. Opportunities

#### 3.6.3.1. Various Growth Opportunities from Emerging Economies

## **CHAPTER 4 SURGICAL NAVIGATION SYSTEMS MARKET, BY TECHNOLOGY**

### 4.1. Overview

#### 4.1.1. Market Size and Forecast

### 4.2. Electromagnetic Navigation Systems

#### 4.2.1. Key Market Trends

#### 4.2.2. Key Growth Factors And Opportunities

#### 4.2.3. Market Size And Forecast

### 4.3. Hybrid Navigation Systems

#### 4.3.1. Key Market Trends

#### 4.3.2. Key Growth Factors And Opportunities

#### 4.3.3. Market Size And Forecast

### 4.4. Optical Navigation Systems

#### 4.4.1. Key Market Trends

#### 4.4.2. Key Growth Factors And Opportunities

#### 4.4.3. Market Size And Forecast

### 4.5. Fluoroscopy-based Navigation Systems

#### 4.5.1. Key Market Trends

#### 4.5.2. Key Growth Factors And Opportunities

#### 4.5.3. Market Size And Forecast

### 4.6. CT-based Navigation System

#### 4.6.1. Key Market Trends

#### 4.6.2. Key Growth Factors And Opportunities

#### 4.6.3. Market Size And Forecast

### 4.7. Other Navigation Systems

#### 4.7.1. Key Market Trends

#### 4.7.2. Key Growth Factors And Opportunities

#### 4.7.3. Market Size And Forecast

## **CHAPTER 5 SURGICAL NAVIGATION SYSTEMS MARKET, BY APPLICATION**

### 5.1. Overview

#### 5.1.1. Market size and forecast

### 5.2. Neurosurgery navigation systems

#### 5.2.1. Market size and forecast

### 5.3. Orthopedic navigation systems

#### 5.3.1. Market size and forecast

##### 5.3.1.1. Hip Replacement market size and forecast

##### 5.3.1.2. Knee Replacement market size and forecast

### 5.4. ENT navigation systems

#### 5.4.1. Market size and forecast

### 5.5. Dental navigation systems

#### 5.5.1. Market size and forecast

### 5.6. Cardiac navigation systems

#### 5.6.1. Market size and forecast

## **CHAPTER 6 SURGICAL NAVIGATION SYSTEMS MARKET, BY END USER**

### 6.1. Overview

### 6.2. Hospitals

#### 6.2.1. Market size and forecast

### 6.3. Physician Practices & Ambulatory Settings

#### 6.3.1. Market size and forecast

## **CHAPTER 7 SURGICAL NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY**

### 7.1. Overview

#### 7.1.1. Market size and forecast

### 7.2. North America

#### 7.2.1. Key market trends

#### 7.2.2. Key growth factors and opportunities

#### 7.2.3. Market size and forecast

#### 7.2.4. U.S. market size and forecast

#### 7.2.5. Canada market size and forecast

#### 7.2.6. Mexico market size and forecast

### 7.3. Europe

#### 7.3.1. Key market trends

#### 7.3.2. Key growth factors and opportunities

#### 7.3.3. Market size and forecast

#### 7.3.4. Germany market size and forecast

#### 7.3.5. France market size and forecast

#### 7.3.6. UK market size and forecast

#### 7.3.7. Rest of Europe market size and forecast

### 7.4. Asia-Pacific



- 7.4.1. Key market trends
- 7.4.2. Key growth factors and opportunities
- 7.4.3. Market size and forecast
- 7.4.4. Japan market size and forecast
- 7.4.5. China market size and forecast
- 7.4.6. India market size and forecast
- 7.4.7. Rest of Asia Pacific market size and forecast
- 7.5. LAMEA
  - 7.5.1. Key market trends
  - 7.5.2. Key growth factors and opportunities
  - 7.5.3. Market size and forecast
  - 7.5.4. Latin America market size and forecast
  - 7.5.5. Middle East market size and forecast
  - 7.5.6. Africa market size and forecast

## **CHAPTER 8 COMPANY PROFILES**

- 8.1. Amplitude Surgical sa
  - 8.1.1. Company overview
  - 8.1.2. Business performance
- 8.2. Brainlab AG
  - 8.2.1. Company overview
  - 8.2.2. Business performance
  - 8.2.3. Key strategic moves & developments
- 8.3. B. Braun Melsungen AG
  - 8.3.1. Company overview
  - 8.3.2. Operating business segments
  - 8.3.3. Business Performance
- 8.4. Fiagon AG
  - 8.4.1. Overview
  - 8.4.2. Operating business segments
  - 8.4.3. Business performance
  - 8.4.4. Key strategic moves & developments
- 8.5. karl storz gmbh & co. kg
  - 8.5.1. Company overview
  - 8.5.2. Operating business segments
  - 8.5.3. Business performance
- 8.6. MEDTRONIC PLC
  - 8.6.1. Company Overview

- 8.6.2. Operating business segments
- 8.6.3. Business performance
- 8.6.4. Key strategic moves & developments
- 8.7. Scopis Gmbh
  - 8.7.1. Overview
  - 8.7.2. Operating business segments
  - 8.7.3. Business performance
  - 8.7.4. Key strategic moves & developments
- 8.8. SIEMENS AKTIENGESELLSCHAFT
  - 8.8.1. Overview
  - 8.8.2. Operating segments
  - 8.8.3. Business performance
- 8.9. Stryker Corporation
  - 8.9.1. Company overview
  - 8.9.2. Operating business segments
  - 8.9.3. Business performance
- 8.10. Zimmer Biomet Holdings, Inc.,
  - 8.10.1. Company overview
  - 8.10.2. Operating business segments
  - 8.10.3. Business performance

## List Of Tables

### LIST OF TABLES

TABLE 1. GLOBAL SURGICAL NAVIGATION SYSTEMS MARKET, BY TECHNOLOGY, 2014-2022 (\$MILLION)

TABLE 2. GLOBAL ELECTROMAGNETIC NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 3. COMPARATIVE ANALYSIS OF SURGICAL NAVIGATION SYSTEMS

TABLE 4. GLOBAL HYBRID NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 5. GLOBAL OPTICAL NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 6. GLOBAL FLUOROSCOPY NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 7. GLOBAL CT-BASED NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 8. GLOBAL OTHER NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 9. GLOBAL SURGICAL NAVIGATION SYSTEMS MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 10. GLOBAL NEUROSURGICAL NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 11. GLOBAL ORTHOPEDIC SURGICAL NAVIGATION SYSTEM MARKET, BY TYPE 2014-2022 (\$MILLION)

TABLE 12. GLOBAL ORTHOPEDIC NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 13. GLOBAL ORTHOPEDIC NAVIGATION SYSTEMS MARKET FOR HIP REPLACEMENT, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 14. GLOBAL ORTHOPEDIC NAVIGATION SYSTEMS MARKET FOR KNEE REPLACEMENT, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 15. GLOBAL ENT SURGICAL NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 16. LEADING DENTAL NAVIGATION SYSTEMS IN THE MARKET

TABLE 17. GLOBAL DENTAL SURGICAL NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 18. GLOBAL CARDIAC NAVIGATION SYSTEMS MARKET, BY GEOGRAPHY, 2014 - 2022 (\$MILLION)

TABLE 19. GLOBAL SURGICAL NAVIGATION SYSTEMS MARKET, BY END USER,

2014-2022 (\$MILLION)

TABLE 20. SURGICAL NAVIGATION SYSTEMS MARKET FOR HOSPITALS, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 21. SURGICAL NAVIGATION SYSTEMS MARKET FOR PHYSICIAN PRACTICES & AMBULATORY SETTINGS, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 22. SURGICAL NAVIGATION SYSTEM MARKET, BY REGION, 2014-2022 (\$MILLION)

TABLE 23. NORTH AMERICA SURGICAL NAVIGATION SYSTEMS MARKET, BY COUNTRY, 2014-2022 (\$MILLION)

TABLE 24. NORTH AMERICA SURGICAL NAVIGATION SYSTEMS MARKET, BY TECHNOLOGY, 2014-2022 (\$MILLION)

TABLE 25. NORTH AMERICA SURGICAL NAVIGATION SYSTEM MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 26. NORTH AMERICA SURGICAL NAVIGATION SYSTEM MARKET, BY END USER, 2014-2022 (\$MILLION)

TABLE 27. EUROPE SURGICAL NAVIGATION SYSTEMS MARKET, BY COUNTRY, 2014-2022 (\$MILLION)

TABLE 28. EUROPE SURGICAL NAVIGATION SYSTEMS MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 29. EUROPE SURGICAL NAVIGATION SYSTEM MARKET, BY TECHNOLOGY, 2014-2022 (\$MILLION)

TABLE 30. EUROPE SURGICAL NAVIGATION SYSTEM MARKET, BY END USER, 2014-2022 (\$MILLION)

TABLE 31. ASIA-PACIFIC SURGICAL NAVIGATION SYSTEMS MARKET, BY COUNTRY, 2014-2022 (\$MILLION)

TABLE 32. ASIA-PACIFIC SURGICAL NAVIGATION SYSTEMS MARKET, BY TECHNOLOGY, 2014-2022 (\$MILLION)

TABLE 33. ASIA-PACIFIC SURGICAL NAVIGATION SYSTEM MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 34. ASIA-PACIFIC SURGICAL NAVIGATION SYSTEM MARKET, BY END USER, 2014-2022 (\$MILLION)

TABLE 35. LAMEA SURGICAL NAVIGATION SYSTEMS, BY REGION, 2014-2022 (\$MILLION)

TABLE 36. LAMEA SURGICAL NAVIGATION SYSTEMS MARKET, BY TECHNOLOGY, 2014-2022 (\$MILLION)

TABLE 37. LAMEA SURGICAL NAVIGATION SYSTEM MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 38. LAMEA SURGICAL NAVIGATION SYSTEM MARKET, BY END USER, 2014-2022 (\$MILLION)

TABLE 39. AMPLITUDE: COMPANY SNAPSHOT

TABLE 40. BRAINLAB: COMPANY SNAPSHOT

TABLE 41. B BRAUN: COMPANY SNAPSHOT

TABLE 42. B BRAUN: OPERATING SEGMENTS

TABLE 43. FIAGON: COMPANY SNAPSHOT

TABLE 44. FIAGON: OPERATING SEGMENTS

TABLE 45. KARL STORZ: COMPANY SNAPSHOT

TABLE 46. KARL STORZ: OPERATING SEGMENTS

TABLE 47. MEDTRONIC: COMPANY SNAPSHOT

TABLE 48. MEDTRONIC: OPERATING SEGMENTS

TABLE 49. SCOPIS: COMPANY SNAPSHOT

TABLE 50. SCOPIS: OPERATING SEGMENTS

TABLE 51. SEIMENS: COMPANY SNAPSHOT

TABLE 52. SEIMENS: OPERATING SEGMENTS

TABLE 53. STRYKER: COMPANY SNAPSHOT

TABLE 54. STRYKER: OPERATING SEGMENTS

TABLE 55. ZIMMER: COMPANY SNAPSHOT

TABLE 56. ZIMMER: OPERATING SEGMENTS

## List Of Figures

### LIST OF FIGURES

FIGURE 1. SURGICAL NAVIGATION SYSTEMS: MARKET SEGMENTATION

FIGURE 2. SURGICAL NAVIGATION SYSTEMS: MARKET SHARE ANALYSIS, 2015

FIGURE 3. KEY DRIVERS RESTRAINTS AND OPPORTUNITIES FOR SURGICAL NAVIGATION SYSTEMS MARKET

FIGURE 4. ESTIMATED LIFETIME RISK FOR ALZHEIMERS, BY AGE AND SEX

FIGURE 5. ALZHEIMER PATIENTS IN U.S.

FIGURE 6. PREVALENCE OF ARTHRITIS IN U.S., 2010-2012

FIGURE 7. HEALTHCARE EXPENDITURE AS A % OF TOTAL GDP

FIGURE 8. CURRENT AND EMERGING APPLICATIONS OF SURGICAL NAVIGATION BASED SURGERY

FIGURE 9. NUMBER OF DEATH CAUSED BY CARDIAC DISEASES WORLDWIDE

FIGURE 10. OUTPATIENT VISITS IN U.S.

FIGURE 11. U.S. HEALTHCARE EXPENDITURE PER PERSON IN (\$)

FIGURE 12. U.S. SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 13. CANADA SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 14. MEXICO SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 15. GERMANY SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 16. FRANCE SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 17. UK SURGICAL NAVIGATION SYSTEM MARKET, 2014-2022 (\$MILLION)

FIGURE 18. REST OF EUROPE SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 19. GDP GROWTH (%) OF ASIAN COUNTRIES

FIGURE 20. JAPAN SURGICAL NAVIGATION SYSTEM MARKET, 2014-2022 (\$MILLION)

FIGURE 21. CHINA SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 22. INDIA SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 23. REST OF ASIA PACIFIC SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 24. PUBLIC HEALTHCARE EXPENDITURE ( % OF TOTAL HEALTHCARE EXPENDITURE)

FIGURE 25. GERIATRIC POPULATION IN LATIN-AMERICA (2015-2025)

FIGURE 26. LATIN AMERICA SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 27. MIDDLE EAST SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 28. AFRICA SURGICAL NAVIGATION SYSTEMS MARKET, 2014-2022 (\$MILLION)

FIGURE 29. AMPLITUDE: REVENUE BY YEAR (\$MILLION)

FIGURE 30. B BRAUN: REVENUE BY YEAR (\$MILLION)

FIGURE 31. B BRAUN: NET REVENUE, (BY SEGMENT) (%)

FIGURE 32. B BRAUN: REVENUE BY GEOGRAPHY, 2015 (%)

FIGURE 33. MEDTRONIC: REVENUE BY YEAR (\$MILLION)

FIGURE 34. MEDTRONIC: REVENUE BY SEGMENT, 2016 (%)

FIGURE 35. MEDTRONIC: REVENUE BY GEOGRAPHY, 2016 (%)

FIGURE 36. SIEMENS: REVENUE BY YEAR (\$MILLION)

FIGURE 37. SIEMENS: REVENUE BY SEGMENT 2016 (%)

FIGURE 38. SIEMENS: REVENUE BY GEOGRAPHY, 2016 (%)

FIGURE 39. STRYKER: REVENUE BY YEAR (\$MILLION)

FIGURE 40. STRYKER: REVENUE BY SEGMENT, 2015 (%)

FIGURE 41. STRYKER: REVENUE BY GEOGRAPHY, 2016 (%)

FIGURE 42. ZIMMER: REVENUE BY YEAR (\$MILLION)

FIGURE 43. ZIMMER: REVENUE BY SEGMENT, 2015 (%)

FIGURE 44. ZIMMER: REVENUE BY GEOGRAPHY, 2015 (%)

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