Computer Assisted Surgical (CAS) Systems - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Computer Assisted Surgical (CAS) Systems in US$ by the following Product Segments: Surgical Planners and Simulators, Surgical Navigation Systems, and Surgical Robots. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World. Annual estimates and forecasts are provided for the period 2013 through 2020. Also, a seven-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 56 companies including many key and niche players.

Contents:

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
   Study Reliability and Reporting Limitations
   Disclaimers
   Data Interpretation & Reporting Level
   Quantitative Techniques & Analytics
   Product Definitions and Scope of Study
   Computer Assisted Surgical Systems
   Surgical Planners
   Surgical Simulators
   Surgical Navigation Systems
   Surgical Robots
   Semi-Autonomous Surgical Robot
   Guided Surgical Robotic System
   Teleoperated Surgical Robot

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
   Prelude
   Impact of Recession in Retrospect and the Road Ahead
   Healthcare Economics Amidst a Weak Economy
   Improving Healthcare Expenditure to Foster Growth
   Table 1: Per-Capita Healthcare Expenditure in Select Regions (2013) (includes corresponding Graph/Chart)
   Table 2: Top 20 Countries with the Highest Healthcare Spending as a Percentage of GDP (2012) (includes corresponding Graph/Chart)
   Table 3: Top 10 Countries with Highest Private Spending on Health Care (2011) (includes corresponding Graph/Chart)
   Developing Economies: Favorable Prospects in the Long Run
   Spurt in Medical Tourism Offers Growth Opportunities
   Minimal/Non-invasive Procedures Favor Adoption of CAS Systems
   Demographics Favor CAS Market Growth
   Table 4: Elderly Population (60+ Years) as a Percentage of the Total Population (2012 & 2050) (includes corresponding Graph/Chart)
   Table 5: Global Aging Population (60+) and their Proportion of Total Population (2012) (includes corresponding Graph/Chart)
   Table 6: Life Expectancy at Age 60 and 80 Years (2010-2015), (2020-2025) & (2045-2050) (includes corresponding Graph/Chart)
   Future Developments in CAS Technologies
   Hospitals and Insurers Role in Integration of CAS Technologies
   Challenges Lie Ahead for CAS Technologies
   CAS Technologies for Knee/Hip Implants: Issues at the Core of Debates
   Open Vs Closed Implant Architecture Platforms
   Marketing Benefits or Clinical Advantages: Making the Choice
   Navigation Technologies: Promising but Limited Adoption
   Growing Prominence of Custom-Made Instrumentation
   Imaging Technologies Related to Patient Specific Instruments
2. SURGICAL ROBOTS MARKET - A REVIEW
Introduction to Medical Robots
Surgical Robotics: A Market Analysis
Asia - The Fastest Growing Market for Surgical Robotic Systems
Robotics in Minimally Invasive Surgery (MIS) Procedures Gain Traction
Robot-Assisted Laparoscopy - Changing the Face of Laparoscopic Surgery
Non-Invasive Surgical Procedures - A New Revolution in the Making
Robotic Systems for Hysterectomy: Adding Value or Merely a Technological Fad?
Increasing Number of Robotic-Assisted Hysterectomies
Robotics in Prostatectomy Procedures
Robot-Assisted Prostatectomies: High Success Rates
Controversies Fail to Deter Robotic Surgery from Becoming Standard of Care for Prostatectomies
Opportunities Galore for Robotic Surgeries in Complex Procedures
Spinal Surgery: A Promising Specialty for Robotics Surgery
Computer-Assisted Devices in Orthopedic Procedures: Yet to Gain Ground
Robotic Thyroidectomy: The New Option in Thyroid Surgery
Development of Advanced Robots: A Step towards Wider Adoption
Technology Innovations in Surgical Robotics
Surgical Robots with Imaging Capabilities
4D Positioning of Instruments & Prosthetic Components - An Emerging Technology
Efforts on to Develop Open-Source Robotic Surgery System
Single Port Robotic Devices: Opportunities for New Entrants to Make a Mark
Mini-Invasive Diagnosis: Rising Prominence of Robots
Robotics to Replace Surgical Nurses?
Surgical Robot and IGS Vendor Woes
Complaints and Lawsuits Increase in Tandem with Rise in Robotic-Assisted Surgical Procedures
Mishaps Related to Robotic Surgical Systems: A Major Concern
Criticisms Surrounding Robotic-Assisted Surgical Procedures
Marketing Initiatives: A Major Role in Surgical Robot’s Success
Competitive Landscape
Intuitive Surgical Dominates Robotic Surgery Market
da Vinci® Systems: Key Figures in a Nutshell
Table 7: Installed Base of Intuitive Surgical’s da Vinci® Systems (As of March 2014) (includes corresponding Graph/Chart)
Table 8: Proportion of Hospitals with at Least 1 da Vinci System in the US: Breakdown by Hospital Size (includes corresponding Graph/Chart)
Slowdown in da Vinci System Sales: A Concern for Intuitive Surgical?
Critics Fault Intuitive Surgical’s Aggressive Marketing Strategy
Competitors Look to Dent da Vinci’s Dominance in Robotic Surgery Market
A Glance at Emerging Competitors of Intuitive Surgical
Titan Medical’s SPORT™ Surgical System
TransEnterix’s Surigibot System
Telelap ALF-X Endoscopic Robotic Surgical System
Raven II Surgical Robots

3. AN INSIGHT INTO SURGICAL PLANNERS & SIMULATORS MARKET
Medical Simulation Gains Importance
Virtual Reality Market on a Roll
Major Issues in Practical Applications of VR
Surgery Simulation with Haptic Feedback Opens New Avenues in Medical Education
VR Training Using Surgical Simulation Systems: Key Role in Laparoscopic Surgeries
Robots for Surgical Training
Procedure-Specific Simulators: The Ultimate Objective

4. SURGICAL NAVIGATION SYSTEMS MARKET
Surgical Navigation Systems Market: An Introduction
Image Guided Technologies Play a Vital Role
Spinal Surgeons Gradually Increase Adoption of Surgical Robotics and Navigation Platforms
High Cost & Technical Hurdles Hamper Adoption of Surgical Navigation Systems
Emerging Economies: A Wealth of Opportunities for Surgical Navigation Systems Market
Manufacturers Focus on Outpatient Facilities
Partnerships between Imaging Companies & Navigation System Manufacturers
A Glance at Select Breakthroughs & Innovative Efforts in Surgical Navigation Market
7D Surgical Navigation Device: Promise of Real-Time Navigation
Cirle's Surgical Navigation System
Fiagon's Navigation System
Medtronic's NuVent EM Sinus Dilation System for the Fusion ENT Navigation System
TLEMsafe: A European Funded Project on Patient-Specific Navigation System

5. PRODUCT OVERVIEW
Computer Assisted Surgical Systems
Contributions of CAS Technologies
Cost Saving Benefits from CAS Technologies
CAS Technologies Address Surgeon's Limitations
CAS Not to Substitute Surgeons
Potential Benefits of CAS Devices in OR
Machine Vs Human
Virtual Reality
Virtual Reality Applications
Diagnosis
Surgery
Education and Training
Web-based Surgical Training
Augmented Reality
Surgical Planning
Surgical Planner
Surgical Simulators
Advantages of Surgical Simulators
Surgical Navigation Systems
Role of Medical Imaging
Image Guided Surgery
Frameless Image-Guided Surgery
Image Processing Technologies
Image Rendering
Dynamic or Interventional Imaging
Robot-assisted Surgical System
Surgical Robots
Semi-Autonomous Surgical Robot
Guided Surgical Robotic System
Teleoperated Surgical Robot
Technologies Developed for Robotic Surgery
da Vinci
Zeus
Leonardo
Socrates
Aesop
Hybrid Operating Room/Angiosuite
Endoscopes
Telesurgery
Intelligent Operating Room
Digital Operating Room
Virtual Surgery Table
Endoscopic Imagery
Compact MRI Scanners
Intraoperative Ultrasound
Intraoperative CT
Electromagnetic Tracking Systems
Surgical CAD/CAM Systems
Surgical Assistant Systems

6. CAS IN SELECT MEDICAL DOMAINS
CAS Technologies in Orthopedic Cases
Preoperative Planning and Simulation
Navigation Methods
Surgical Robotic Systems
Computer-Aided Navigational Techniques in Neurosurgery
CAS in Spine Surgery
CAS in Craniofacial Surgery
CAS in ENT Surgery

7. PRODUCT INTRODUCTIONS/INNOVATIONS/ APPROVALS
Intuitive Surgical Launches New da Vinci Xi Surgical System in the US
Mazor Robotics to Launch Renaissance® Brain Module
Intuitive Surgical Bags FDA Clearance for da Vinci Sp Surgical System
Accuray Wins Shonin Approval for CyberKnife® M6™ System in Radiation Therapy Treatment
Intuitive Surgical Receives CE Mark for da Vinci Xi Surgical System
Titan Medical Achieves Major Milestone in SPORT™ Surgical System Development
Surgical Theater Receives FDA Clearance for Surgical Navigation Advanced Platform (SNAP)
Minimally Invasive Devices Launches Robotic FloShield™ for da Vinci System
Hansen Medical to Unveil Sensei® X2 Robotic System Prototype
Intuitive Surgical Bags FDA Marketing Approval for EndoWrist® One™ Vessel Sealer Instrument
Mazor Robotics Bags US FDA Marketing Clearance for Renaissance™ Platform
Mazor Robotics Bags Korean Approval for Renaissance Robotic Platform
Medtronic Unveils NuVent EM Sinus Dilation System for Fusion ENT Navigation System
Mimic Technologies Launches Maestro AR™ Augmented Reality Software Module
Titan Medical Completes Functional Prototype Development of SPORT™ Surgical System
Medtronic Launches CardioGuide™ Implant System
Zimmer Bags FDA Clearance for iASSIST™ Knee Personalized Guidance System™
TransEnterix Develops SurgiBot Patient-Side Robotic Surgical Platform
Intuitive Surgical Bags FDA Marketing Approval for EndoWrist® One™ Vessel Sealer Instrument
Mazor Robotics Bags US FDA Marketing Clearance for Renaissance™ Platform
Mazor Robotics Bags Korean Approval for Renaissance Robotic Platform
Medtronic Unveils Novel Approach for Spinal Fusion
Stryker Introduces CAS Technology for Hip Fractures
Medtronic Launches POWEREASE™ System
Blue Belt Technologies Bags CE Mark for Navio PFS System
Mazor Robotics Receives FDA Clearance for Renaissance System in Brain Applications
Mazor Robotics Enhances Renaissance System with C-OnSite
NeuroLogica Integrates CT Imaging into Brainlab Surgical Navigation
Wright Medical Bags FDA Clearance for PROPHECY® INBONE™ Preoperative Navigation Alignment Guides
TrueVision® Bags Marketing Approval for 3D Visualization and Guidance System in Asian Countries
Brainlab Unveils Curve™ Navigation System

8. RECENT INDUSTRY ACTIVITY
Mazor Robotics Inks Agreement with GPO
Medrobotics to Market Medrobotics Flex Device in Europe
Smith & Nephew Inks Agreement with Orthosensor
Intuitive Surgical and Adachi to Sell da Vinci System in Japan
Metronor Bags Contract for its Precision Guidance Systems
Bausch + Lomb Inks Exclusive License Agreement for Cirle's 3D Surgical Navigation Technology
Stryker and NeuroLogica Ink Exclusive Partnership Agreement
Stryker Acquires MAKO Surgical
3D Systems Takes Over Geomagic
DePuy Synthes Spine Extends Collaboration with BrainLab
Mazor Robotics Inks Agreement for Sale of Four Renaissance Systems
LifeHealthcare Places Order for Mazor's Renaissance System
Mazor Robotics Receives Medical Device License from Health Canada
Mazor Robotics Bags Marketing Approval for Renaissance in Taiwan
Blue Belt Technologies and DJO Surgical Enter into Implant Partnership
Providien Acquires Dynaroll
Delray Medical Center Procures O-arm Surgical Imaging System
TransEnterix Completes General Surgery Procedures Using SurgiBot™ System
TransEnterix's SPIDER® Surgical System Finds Use in Min Gastric Bypass
SafeStitch Medical and TransEnterix Merge Operations
Hansen Medical and Philips Strengthen Robotic System Collaboration
Roper Industries Acquires Ascension Technology Corporation
GeoMagic Takes Over Sensable Technology
Mazor Robotics Signs Distribution Agreement with Cicel Science & Technology
Mazor Robotics Inks Purchase Agreement with NSH Michigan
Olea Medical and NeuroLogica in Partnership
ENTriague Surgical and fiaigon GmbH Collaborate for Sinus Surgery
NeuroLogica and Medtronic Collaborate
Hyundai Heavy Industries Establishes Lab for Manufacture of Surgical Robots
TransEnterix to Unveil SPIDER Surgical System Instruments
Mazor Robotics Receives Order from Advanced Medical Systems

9. FOCUS ON SELECT PLAYERS
3D Systems Corporation (USA)
Accuray, Inc. (USA)
B. Braun Melsungen AG (Germany)
Brainlab AG (Germany)
CAE, Inc. (Canada)
CONMED Corporation (USA)
Curexo Technology Corporation (USA)
Hansen Medical, Inc. (USA)
Intuitive Surgical, Inc. (USA)
Medtronic, Inc. (USA)
Mazor Robotics Ltd. (Israel)
Northern Digital Inc. (Canada)
Polhemus, Inc. (USA)
Simbionix USA Corp. (USA)
Stryker Corporation (USA)

10. GLOBAL MARKET PERSPECTIVE
Table 9: World Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 10: World Historic Review for Computer Assisted Surgical Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)
Table 11: World 15-Year Perspective for Computer Assisted Surgical Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)
Table 12: World Recent Past, Current & Future Analysis for Surgical Planners & Simulators by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 13: World Historic Review for Surgical Planners & Simulators by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)
Table 14: World 15-Year Perspective for Surgical Planners & Simulators by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)
Table 15: World Recent Past, Current & Future Analysis for Surgical Navigation Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 16: World Historic Review for Surgical Navigation Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)
Table 17: World 15-Year Perspective for Surgical Navigation Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)
Table 18: World Recent Past, Current & Future Analysis for Surgical Robots by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 19: World Historic Review for Surgical Robots by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)
Table 20: World 15-Year Perspective for Surgical Robots by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)
III. MARKET

1. THE UNITED STATES

A. Market Analysis

Outlook

Aging Demographics: Major Driving Factor

Table 21: North American Elderly Population by Age Group (1975-2050) (includes corresponding Graph/Chart)

Robotic-Assisted Surgery Market in the US

Table 22: Average Duration of Post Surgery Hospitalization in the US: Comparing Robotic Surgery Vs Laparoscopic Procedure (includes corresponding Graph/Chart)

Opportunity Indicator

Table 23: Robotic Surgery Opportunity Indicator in the US (2014) - Surgical Procedure Volume for Appendectomy, Bariatric, Benign Hysterectomy, and Cholecystectomy Procedures (includes corresponding Graph/Chart)

Table 24: Hysterectomy Market in the US (2005 & 2013): Percentage Share Breakdown of Patient Volume by Procedure Type - Laparoscopic, Open, Robotic, and Vaginal (includes corresponding Graph/Chart)

Robotic-Assisted Prostatectomies: High Success Rates

Imaging: A Vital Role to Play in Image-Guided Surgery

Lucrative VR Market

A Brief Overview of the US Image-Guided Surgery Products Market

Surgical Navigation Systems Market Set for Robust Growth

Spinal Surgeons Gradually Increase Adoption of Surgical Robotics and Navigation Platforms

Navigation Technologies: Promising but Limited Adoption in Orthopedic Surgeries


Table 25: Total Knee Replacement Surgeries in the US

Percentage Share Breakdown of Volume by Type of Procedure (includes corresponding Graph/Chart)

Healthcare Spending - A Review

Hospital Spending to Remain Tight

Consolidation Hits the Hospital Market

Increase in ASCs & Walk-in Centers Drive Demand

Regulatory Scenario

FDA Clearance for Surgical Navigation Systems

Healthcare Reforms & Other Legislations: An Overview

Reimbursement Scenario

Product Introductions/Innovations/Approvals

Strategic Corporate Developments

Key Players

B. Market Analytics

Table 26: US Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment

Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 27: US Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)


2. CANADA

A. Market Analysis

Outlook

Strategic Corporate Developments

Key Players

B. Market Analytics

Table 29: Canadian Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment

Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 30: Canadian Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)
Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)

3. JAPAN
A. Market Analysis
Outlook
Robot-Assisted Surgery: Concerns over Safety
Strategic Corporate Developments
B. Market Analytics
Table 32: Japanese Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment
Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 33: Japanese Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Outlook
Virtual Reality Scenario in Europe
Surgical Navigation Systems Market in Europe: An Overview
Western Europe: Strong Growth for Robot-Assisted Surgery Market
Product Introductions/Innovations/Approvals
Strategic Corporate Developments
B. Market Analytics
Table 35: European Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Geographic Region
France, Germany, Italy, UK, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 36: European Historic Review for Computer Assisted Surgical Systems by Geographic Region - France, Germany, Italy, UK, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)
Table 37: European 15-Year Perspective for Computer Assisted Surgical Systems by Geographic Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, and Rest of Europe Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)
Table 38: European Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment
Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 39: European Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)
4a. FRANCE
Market Analysis
Table 41: French Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment
Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding...
Table 42: French Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)


4b. GERMANY

A. Market Analysis

Outlook

Key Players

B. Market Analytics

Table 44: German Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 45: German Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)


4c. ITALY

Market Analysis

Table 47: Italian Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 48: Italian Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)


4d. THE UNITED KINGDOM

Market Analysis

Table 50: UK Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 51: UK Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)


4e. REST OF EUROPE

Market Analysis

Table 53: Rest of Europe Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 54: Rest of Europe Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)

Table 55: Rest of Europe 15-Year Perspective for Computer Assisted Surgical Systems by Product Segment -
Percentage Breakdown of Dollar Sales for Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Outlook
Rapidly Expanding Economies Drive Demand for Image-Guided & Robotic Procedures
Robot-Assisted Surgery Market in Asia-Pacific - An Overview
India: Growing Prominence of CAS Technologies
Strategic Corporate Developments
B. Market Analytics
Table 56: Asia-Pacific Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 57: Asia-Pacific Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)

6. REST OF WORLD
A. Market Analysis
Outlook
Product Innovations/Introductions/Approvals
Mazor Robotics Ltd. (Israel) - A Key Player
B. Market Analytics
Table 59: Rest of World Recent Past, Current & Future Analysis for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 60: Rest of World Historic Review for Computer Assisted Surgical Systems by Product Segment - Surgical Planners & Simulators, Surgical Navigation Systems, and Surgical Robots Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2006 through 2012 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE
Total Companies Profiled: 56 (including Divisions/Subsidiaries - 57)
The United States (38)
Canada (3)
Japan (1)
Europe (14)
- France (1)
- Germany (6)
- The United Kingdom (2)
- Italy (1)
- Rest of Europe (4)
Middle East (1)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/344061/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Computer Assisted Surgical (CAS) Systems - Global Strategic Business Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/344061/">http://www.researchandmarkets.com/reports/344061/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCEjZXVD</td>
</tr>
</tbody>
</table>

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Email Address: *</td>
<td>________________________________</td>
</tr>
<tr>
<td>Job Title:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Organisation:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Address:</td>
<td>________________________________</td>
</tr>
<tr>
<td>City:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Country:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>________________________________</td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp