**REPORT DESCRIPTION**

**Global Market Watch:**

BRICSS Cardiac Pacemakers market value is expected to reach US$903 million by 2016, primarily supported by the product types - Implantable Pacemakers and External Pacemakers. China accounts for nearly 27.5% of the market share and India claims more than 22.3%. In terms of CAGR, China is the fastest growing region while India and South Korea are just behind. Among the product types, Implantable Pacemakers accounts more than half of the market value while External Pacemakers segment adds up to the remaining half.

Healthcare Industry division has been witnessing a drastic change regarding the new innovation and technology which in terms are applied in improving from sector to sector since the past 3-5 years. Cardiovascular industry growth continues to increase with the presence of multiple technologies such as advanced material and software which is featured in most of the devices. International companies tends to innovate, develop new products and to enhance the existing features in cardiovascular devices.

**Report Focus:**

The report **‘Cardiac Pacemaker Devices - Emerging Markets (Brazil, Russia, India, China, South Africa And South Korea), 2012-2018’** reviews the latest trends in cardiovascular devices with a perceptive attempt to disclose the near-future growth prospects. An in-depth analysis on a geographic basis provides strategic business intelligence for healthcare sector investments. The study reveals profitable investment strategies for market start-ups, pharmaceutical/biotechnology companies, laboratories, Contract/Clinical/Commercial Research Organizations (CROs), government/academic organizations, consulting firms, database buyers and many more in preferred locations. The report primarily focuses on:

* Emerging Market Trends
* Advancements in the Technological Space
* Market Demand of The Segments (By-Region)
* Key Growth Areas and Market Size
* Region-Wise Demand Factor
* Key Competitors Edge
* Investment Strategies

The analysis primarily deals with by type. Further, the subdivided categories include:

**Cardiac Pacemaker Devices – By Type**

1. Implantable Pacemakers
   * 1. Single-Chamber Pacemakers
     2. Dual-Chamber Pacemakers
     3. Biventricular Pacemakers
2. External Pacemakers

The period considered for the cardiac pacemaker devices market analysis is 2012-2018. The region wise distribution of the market consists of BRICSS (Brazil, Russia, India, China, South Korea and South Africa).

More than 727 market players are identified in cardiovascular devices industry out of which 122 key companies that project improved market activities in the near future are profiled. The report consists of 104 data charts describing the market shares, sales forecasts and growth prospects. Moreover, key strategic activities in the market including mergers/acquisitions, collaborations/partnerships, product launches/developments are discussed.

Estimates are based on online surveys using customized questionnaires by our research team. Besides information from government databases, company websites, press releases & published research reports are also used for estimates.

**TABLE OF CONTENTS**

**I. REPORT FOCUS**

**A. INTRODUCTION**

**CARDIOLOGY**

KINDS OF CARDIAC CONDITIONS

**A. BLOOD FLOW IN THE HEART**

**B. HEART MALFUNCTION**

TYPES OF CARDIAC ARREST

**C. MYOCARDIUM**

DISORDERS OF MYOCARDIUM

**D. PERICARDIUM**

**E. HEART VALVES**

DISORDERS OF HEART VALVES

**F. CONGENITAL HEART DEFECT**

TYPES OF CONGENITAL HEART DEFECT

**G. AILMENTS OF BLOOD VESSELS (VASCULAR DISEASES)**

**H. HEART FAILURE**

**B. CARDIOVASCULAR DEVICES**

DEVICES FOR ENDOVASCULAR ANEURYSM REPAIR AND REPLACEMENT

TECHNIQUES TO PREVENT CORONARY BLOOD VESSEL SYNDROME

TOOLS DEPLOYED IN CARDIOLOGY

DIAGNOSTIC TESTS AND PROCEDURES

CONCLUSION

**C. CARDIAC PACEMAKERS**

**IMPLANTABLE PACEMAKERS**

CARDIAC PACEMAKER BATTERIES STYLES

**APPLICATIONS FOR PACEMAKERS**

**A. IMPLANTABLE PACEMAKERS**

I. SINGLE-CHAMBER PACEMAKERS

II. DUAL-CHAMBER PACEMAKERS

III. BIVENTRICULAR PACEMAKER

**B. EXTERNAL PACEMAKERS**

INDICATIONS FOR A PACEMAKER OR AN ICD

BRADYCARDIA PACING BY ICDS

**D. CARDIAC PACEMAKERS - TYPES - MARKET BRIEFING**

CHINA

INDIA

BRAZIL

RUSSIA

SOUTH KOREA

SOUTH AFRICA

**II. MARKET ANALYSIS**

CARDIAC PACEMAKERS – BRICSS – INDUSTRY SNAPSHOT

**A. CARDIAC PACEMAKERS - SEGMENTATION**

**CARDIAC PACEMAKERS - GLOBAL**

**CARDIAC PACEMAKERS - BRICSS**

**CARDIAC PACEMAKERS - BY TYPE**

**CARDIAC PACEMAKERS - BRICSS**

IMPLANTABLE PACEMAKERS

EXTERNAL PACEMAKERS

**B. GROWTH RATE ANALYSIS**

BRICSS CARDIAC PACEMAKERS MARKET GROWTH RATES

BRICSS CARDIAC PACEMAKERS - TYPE - GROWTH RATES

**C. INVESTMENT FOCUS**

**III. INDUSTRY OVERVIEW**

FREQUENT OCCURRENCES OF CARDIOVASCULAR DISEASES WITNESS IMPROVEMENTS IN MEDICAL DEVICES FOR CARDIOVASCULAR APPLICATIONS

AN ENCOURAGING JAB FOR TORPID PERIODS

**A. A REVIEW ON CARDIAC MEDICAL DEVICE TYPES**

**CARDIAC RHYTHM MANAGEMENT DEVICES**

CRM IN EUROPE

**CARDIAC DEFIBRILLATORS**

RAPID GROWTH IN DEFIBRILLATOR SALES

**CARDIAC PACEMAKER DEVICES**

THE DATA COLLECTION WORK

**CARDIAC RESYNCHRONIZATION THERAPY (CRT)**

**CARDIAC MONITORING AND DIAGNOSTIC DEVICES**

THE PROGRESSIVE AND FREQUENT OCCURRENCES OF HEART DISEASES TO ENCOURAGE HUGE DEMAND OF DIAGNOSTIC CARDIAC MONITORING SYSTEMS

INCORPORATION OF SYSTEMS WITH EMR TO BOOST EXTENDED GROWTH OF MARKET

THE NORTH AMERICAN CARDIAC MONITORING DEVICES MARKET OVERVIEW

**INTERVENTIONAL CARDIAC DEVICES**

**CORONARY STENTS**

EVOLUTION OF STENT TECHNOLOGY ATTRACTS HUGE ATTENTION

**FFR IMPACT ON DES MARKET**

MARKET FORECASTS AN IMPACT OF FFR AND OCT ON THE DES MARKET

**CARDIAC CATHETERS**

COMPETITIVE ANALYSIS

**ELECTROPHYSIOLOGY CATHETERS (EP)**

GROWTH IN ELECTROPHYSIOLOGISTS IN EUROPE

DIAGNOSTIC EP CATHETERS, ABLATION DEVICES SEE STRONG INDUSTRY GROWTH

**EP MAPPING**

NEW AF ABLATION DEVICES SEEK APPROVAL

**ATRIAL FIBRILLATION (AF)**

**INTRAVASCULAR ULTRASOUND (IVUS)**

GO WITH THE FLOW: FRACTIONAL FLOW RESERVE, THAT IS

**PERIPHERAL VASCULAR DEVICES**

**ARTERIOTOMY CLOSURE DEVICES**

**EMBOLIC PROTECTION DEVICES (EPD)**

**INFERIOR VENA CAVA (IVC) FILTERS**

CONCLUSION

**PERIPHERAL GUIDEWIRES**

**AV ACCESS THROMBECTOMY DEVICES**

**PROSTHETIC HEART VALVES**

**SWISS CARDIOVASCULAR DEVICES: A MARKET REVIEW**

MARKET CHALLENGES

**B. CARDIAC DEVICES: MORTALITY RISKS V/S AGE**

DRIVERS IN THE MEDICAL IMPLANT INDUSTRY

SIZE AND WEIGHT

POWER EFFICIENCY

PERFORMANCE SPECIFICATIONS

RISK MITIGATION AND RELIABILITY

EXCITING FUTURE PREDICTED FOR ADVANCED CARDIOVASCULAR DEVICES

**C. CARDIAC DISEASE: AN ECONOMIC PERSPECTIVE**

CARDIOVASCULAR DISEASE (CVD) AND ITS EFFECTS ON HEALTH AND ECONOMY

IMPACT OF CVD IN EUROPE

IMPACT ON NEW YORK STATE

ECONOMIC IMPACT OF CVD IN NYS

HEALTH AND ECONOMIC IMPACT OF HEART DISEASE PREVENTION

IMPACT OF CVD ON ECONOMIC STABILITY

**ECONOMIC COST OF CARDIOVASCULAR DISEASES**

**COST OF CARDIOVASCULAR DISEASE TO TRIPLE BY 2030**

**CARDIOVASCULAR DISEASE IS LARGELY PREVENTABLE**

**D. INFECTIOUS AND CARDIOVASCULAR DISEASES IN AFRICA AND BEYOND**

**E. RECENT FDA ACTIONS AND APPROVALS IN CARDIOVASCULAR DEVICES**

**F. MARKET TRENDS**

PATIENT ENROLLMENT BY CARDIAC DIMENSIONS IN TITAN II CLINICAL TRIAL

CEDARS-SINAI HEART INSTITUTE STUDY: STEM CELLS AUGMENTS HEART'S NATURAL REPAIR SYSTEMS

GE HEALTHCARE’S DISCOVERY IGS 730 SYSTEM, AN INNOVATION FOR HYBRID OPERATING ROOMS

GE’S AUTOMATED FUNCTION IMAGING FOR DAILY CLINICAL USE.

CRYOLIFE RECEIVES EXPANDED INDICATION FOR BIOFOAM IN CARDIOVASCULAR SURGERIES IN EUROPE

INNOVATIVE PROCEDURES TO TREAT PERIPHERAL ARTERY DISEASE (PAD)

TASK FORCE® MONITOR DEMONSTRATED AS EFFECTIVE AUTONOMIC BIOMARKER IN CFS PATIENTS

INNOVATION IN INTERVENTIONAL CARDIOLOGY: CATHETER RETRIEVAL OF INFECTIVE FLORA AND MOVABLE CLOTS FROM CARDIAC VALVES AND COMPARTMENTS

STEREO-TAXIS UNVEILS LATEST ELECTROPHYSIOLOGY PLATFORM: EPOCH (TM)

VICOR TECHNOLOGIES ACQUIRES FDA CLEARANCE OF 510(K) FOR ITS PD2I® NONLINEAR ALGORITHM AND SOFTWARE TO BE EMPLOYED IN CARDIOVASCULAR DISEASE TESTING

VICOR TECHNOLOGIES ACQUIRES FDA CLEARANCE OF 510(K) FOR ITS PD2I® NONLINEAR ALGORITHM AND SOFTWARE TO BE EMPLOYED IN CARDIOVASCULAR DISEASE TESTING

STEREO TAXIS REPORTS DEVELOPMENT OF CATHETER STRATEGIC AFFILIATION

GLP PRE-MEDICAL STUDIES EXHIBIT NCONTACT ABLATION LESIONS ARE COMPREHENSIVE AND TRANSMURAL

MODERNIZATIONS IN INTERVENTIONAL CARDIOLOGY: TECHNOLOGY, FINANCES AND POLITICAL POLICIES

B. BRAUN'S INTROCAN SAFETY® 3 CLOSED IV CATHETER IS PRESENTED WITH TOP INNOVATION AWARD

MID SECURES FIRST TRANCHE OF $5 MILLION SERIES B FINANCING

RESEARCH REVEALS THAT HUMAN HEARTS PRODUCES NEW CELLS AFTER BIRTH

A NEW TYPE OF NERVE CELL IDENTIFIED IN THE BRAIN

ROCHE TO ADVANCE 240 MILLION SWISS FRANCS IN DIAGNOSTICS PRODUCTION IN GERMANY

SORIN GROUP ANNOUNCES INVESTMENT IN HIGHLIFE.

FIRST 34 U.S. PATIENTS IMPLANTED WITH BIOTRONIK’S NEW EVIA HF-T PACEMAKER.

AORTECH LNTERNATIONAL PLC CLAIMS MATERIAL BREACH OF CONTRACT BY DIVISION OF ST. JUDE MEDICAL

SPECTRANETICS LAUNCHES U.S COMMENCEMENT OF THE TAPAS(TM) CATHETER AND PRECLINICAL ANIMAL DATA ON DRUG UPTAKE IN PERIPHERAL VESSELS

USCOM MAKES PRESENTATIONS AT WORLD HYPERTENSION CONGRESS

MORTARA INSTRUMENT, INC. LAUNCHES “BUILT WITH PRIDE IN MILWAUKEE” CAMPAIGN.

MALLINCKRODT JOINS PARTNERSHIP AT DRUGFREE.ORG TO INTRODUCE MEDICINE ABUSE PROJECT

DRUG-ELUTING STENTS ARE SECURE

CARDIAC SCIENCE BEGS TOP RANKING MD BUYLINE'S USER SATISFACTION SURVEY

ARTIFICIAL HEART SUCCESSFULLY IMPLANTED IN A BABY IN JAPAN FOR THE FIRST TIME

ARTERIAL REMODELING TECHNOLOGIES ANNOUNCES FIRST HUMAN USE OF ITS NEXT-GENERATION BIORESORBABLE STENT

ATRIUM MEDICAL CORPORATION RECEIVES PREMIER PERFORMANCE AWARD FOR OPERATIONAL EXCELLENCE.

BAYER HEALTHCARE DISCLOSES ADVANCES IN CT CONTRAST DOSE MANAGEMENT™ SOLUTIONS.

HRS: REMOTE PATIENT MONITORING TO MINIMIZE UNPLANNED ED ADMINS

FUTURE HOME HEALTH CARE EQUIPMENT TREND- TECHNOLOGY OUTLOOK

FORTUNE MAGAZINE NAMED ST. JUDE MEDICAL AS THE “MOST ADMIRED COMPANY”

BIOTRONIK OPENS NEW ASIA PACIFIC HEADQUARTERS IN SINGAPORE

COOK MEDICAL TO INVEST €16.5M IN IRISH MEDICAL TECHNOLOGY MARKET

MAJOR EVENTS IN CARDIOVASCULAR MEDICAL DEVICE SPACE

MEDICAL IMAGING EQUIPMENT OF SIEMENS HEALTHCARE WINS LARGEST ORDER IN LATIN AMERICA.

NEGATIVE TRENDS IN INNOVATION IN INTERVENTIONAL CARDIOLOGY DESPITE DECREASES IN CVD MORTALITY—INTERVENTIONAL CARDIOLOGISTS EXPRESS ANGUISH

FIRST IMPLANT OF BOSTON SCIENTIFIC'S WATCHMAN® DEVICE IN PATIENTS IN LATIN AMERICA

STUDY REVEALS THAT BAYER HEALTHCARE’S COTAVANCE® DRUG ELUTING BALLOONS WITH PACCOCATH® TECHNOLOGY REDUCED TARGET LESION REVASCULARIZATION (TLR) RATES BY 59% IN PAD PATIENTS COMPARED TO THOSE TREATED WITH UNCOATED BALLOONS.

USCOM PRESENTED NEW HYPERTENSION MANAGEMENT STUDY AT WORLD HYPERTENSION CONGRESS

SAHAJANAND MEDICAL TECHNOLOGIES AWARDED MEDICAL DEVICE COMPANY OF THE YEAR 2011

TERUMO CORPORATION, A WELL KNOWN PIONEER IN MEDICAL DEVICE TECHNOLOGY, CELEBRATES 90TH ANNIVERSARY

CARDICA ACHIEVES LANDMARK UNDER DISTRIBUTION AGREEMENT WITH CENTURY MEDICAL

SOLUTIONS FOR SUSTAINABLE CARDIOVASCULAR CARE AT THE EUROPEAN SOCIETY OF CARDIOLOGY (ESC)

EXCOR® PEDIATRIC VENTRICULAR ASSIST DEVICE RECOMMENDED BY FDA ADVISORY PANEL FOR USE IN THE UNITED STATES.

ZOLL NOMINATED TO GLOBE 100 AGAIN

USCOM ENTERS EUROPEAN MARKETS

POSITIVE GROWTH AND OUTLOOK FOR BIOTRONIK IN USA AND OTHER MARKETS

USCOM SECURES STRONG PRESENCE IN US AND CANADA

CARDIOMEMS AMONG THE TOP 10 INNOVATIVE TECHNOLOGY COMPANIES

COVIDIEN INTRODUCES NEW GLOBAL PACKAGING

STENTYS’S DRUG-ELUTING STENT RECEIVES MORE REIMBURSEMENT IN GERMANY.

SORIN GROUP INTRODUCES THE ACHIEVEMENT OF A KEY MILESTONE IN AORTIC VALVE REPLACEMENT

CARDIOMEMS RECEIVES GEORGIA BIO (GABIO) 2011 DEAL OF THE YEAR AWARD

USCOM EYES EASTERN EUROPEAN MARKET

VCU SUCCESSFULLY TRANSPLANTED 900TH TOTAL ARTIFICIAL HEART

INNOVATIVE TRENDS IN RECENT MEDICAL DEVICES

INFECTIONS FROM IMPLANTED CARDIAC DEVICES

TYRX REACHES MILESTONE IN AIGISRX IMPLANTATION

HEART TRANSPLANTS SUBSTITUTED BY A PUMP

DEVICES FOR TREATMENT OF ATRIAL FIBRILLATIONS (AF)

REMOTE MONITORING OF HEART FAILURE PATIENTS

EFFECTS OF REMOTE MONITORING OF IMPLANTED DEVICES

OAKWOOD HOSPITAL AND WAYNE STATE UNIVERSITY WORKING ON HEART IMPLANTATION

IMPLANTABLE CARDIAC MONITOR WITH HELPFUL APPROACH

OVER-THE-COUNTER APPARATUS

BOSTON SCIENTIFICS’ IMPLANTABLE DEFIBRILLATOR

CARDIAC SCIENCE’S NEW CARDIAC TREATMENT

THE ONLY SYNCHRONIZED SURGICAL AND CATHETER BASED ATRIAL FIBRILLATION

CARDIAC SCIENCE CORPORATION WITH CARDIAC DISEASES HEALING METHOD

LOCAL MEDICARE’S COVERAGE FOR HYPERTENSION WITH BIOZ(R) ICG TECHNOLOGY

A NEW STANDARD IN CARDIAC SPECT RECONSTRUCTION

A REVOLUTIONIZED ELECTROPHYSIOLOGY (EP) FOR CARDIAC

LIDCO PRODUCTS ACCEPTED IN SOUTH KOREA

INVENTION OF BI-DIRECTIONAL CARDIAC CATHETER FOR IRREGULAR HEART RHYTHMS

BEST AND LATEST SELF-TEACHING HEART SOUNDS

REPLACING VALVE WITHOUT CARDIAC SUPPORT

U.S. FDA GRANTS THE NAVISTAR® THERMOCOOL CATHETER FOR RAPID HEART BEAT

AN FDA US APPROVED TREATMENT FOR CLOGGED NECK ARTERIES

NEW-FANGLED SPECIALTY CATHETER BY ABBOTT AT THE USA

MEDICAL IMPLANT MARKETS UNDER THE INFLUENCE OF TECHNICAL TRENDS

**G. KEY COMPANY PROFILES**

NORTH AMERICA

EUROPE

ASIA-PACIFIC

REST OF WORLD

OTHER KEY COMPANY INDUSTRY ACTIVITES / PRODUCT LAUNCHES

CARDIAC DEVICES MARKETED AND PIPELINE PRODUCTS

CARDIAC MEDICAL DEVICES – PATENTS

KEY COMPANIES FINANCIAL OVERVIEW

**IV. INDUSTRY COMPANY DATABASE**

**V. APPENDIX**

RESEARCH FOCUS

ABOUT AXIS RESEARCH MIND

DISCLAIMER

FEEDBACK

**LIST OF TABLES/CHARTS**

**I. REPORT FOCUS**

1. INDICATIONS FOR PERMANENT PACING WITH ACQUIRED ATRIOVENTRICULAR HEART BLOCK IN ADULTS

**E. CARDIAC PACEMAKERS - TYPES - MARKET BRIEFING**

**CHINA**

2. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR CHINA - (2012-2018, IN USD$ MILLION)

3. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF CHINESE MARKET VALUE -   
(2015 - 2018)

**INDIA**

4. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR INDIA - (2012-2018, IN USD$ MILLION)

5. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF INDIAN MARKET VALUE -   
(2015 - 2018)

**BRAZIL**

6. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR BRAZIL - (2012-2018, IN USD$ MILLION)

7. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF BRAZILIAN MARKET VALUE - (2015 - 2018)

**RUSSIA**

8. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR RUSSIA - (2012-2018, IN USD$ MILLION)

9. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF RUSSIAN MARKET VALUE - (2015 - 2018)

**SOUTH KOREA**

10. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR SOUTH KOREA - (2012-2018, IN USD$ MILLION)

11. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF SOUTH KOREAN MARKET VALUE - (2015 - 2018)

**SOUTH AFRICA**

12. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR SOUTH AFRICA - (2012-2018, IN USD$ MILLION)

13. CARDIAC PACEMAKERS TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF SOUTH AFRICAN - (2015 - 2018)

14. CARDIAC PACEMAKERS - PRODUCT BY BRANDS

**II. MARKET ANALYSIS**

15. BRICSS CARDIAC PACEMAKERS - SEGMENTATION BY TYPES

**CARDIAC PACEMAKERS - GLOBAL**

16. CARDIAC PACEMAKERS MARKET - GLOBAL CURRENT TRENDS, ESTIMATES & FORECASTS - (2012-2018, IN USD$ MILLION)

**CARDIAC PACEMAKERS - BRICSS**

17. CARDIAC PACEMAKERS MARKET - BRICSS CURRENT TRENDS, ESTIMATES & FORECASTS - (2012-2018, IN USD$ MILLION)

18. CARDIAC PACEMAKERS MARKET - BRICSS CURRENT TRENDS, ESTIMATES & FORECASTS FOR CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA - (2012-2018, IN USD$ MILLION)

19. CARDIAC PACEMAKERS - % OF CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA MARKET VALUE - (2015-2018)

**CARDIAC PACEMAKERS - BY TYPE**

20. CARDIAC PACEMAKERS MARKET - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS FOR BRICSS CURRENT TRENDS, ESTIMATES & FORECASTS - (2012-2018, IN USD$ MILLION)

21. CARDIAC PACEMAKERS - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - % OF BRICSS MARKET VALUE - (2015-2018)

**CARDIAC PACEMAKERS - BRICSS**

**IMPLANTABLE PACEMAKERS**

22. IMPLANTABLE PACEMAKERS MARKET - BRICSS CURRENT TRENDS, ESTIMATES & FORECASTS FOR CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA - (2012-2018, IN USD$ MILLION)

23. IMPLANTABLE PACEMAKERS - % OF CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA MARKET VALUE - (2015-2018)

**EXTERNAL PACEMAKERS**

24. EXTERNAL PACEMAKERS MARKET - BRICSS CURRENT TRENDS, ESTIMATES & FORECASTS FOR CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA - (2012-2018, IN USD$ MILLION)

25. EXTERNAL PACEMAKERS - % OF CHINA, INDIA, BRAZIL, RUSSIA, SOUTH KOREA AND SOUTH AFRICA MARKET VALUE - (2015-2018)

**B. GROWTH RATE ANALYSIS**

BRICSS CARDIAC PACEMAKERS MARKET GROWTH RATES

26. CARDIAC PACEMAKERS MARKET - BRICSS- % GROWTH RATE FORECASTS - (2012-2018)

BRICSS CARDIAC PACEMAKERS - TYPES - GROWTH RATES

27. CARDIAC PACEMAKERS - TYPES - % GROWTH RATE FORECASTS FOR IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - (2012-2018)

**C. INVESTMENT FOCUS**

28. CARDIAC PACEMAKERS - FORECASTED CAGR% - 2012-2018 - TOP 8 COUNTRIES - USA, JAPAN, CHINA, FRANCE, INDIA, SOUTH KOREA, RUSSIA AND BRAZIL

29. CARDIAC PACEMAKERS - TYPES - IMPLANTABLE PACEMAKERS AND EXTERNAL PACEMAKERS - FORECASTED CAGR% - VALUE - 2012 -2018 - TOP 8 COUNTRIES - USA, JAPAN, CHINA, FRANCE, INDIA, SOUTH KOREA, RUSSIA AND BRAZIL

**III. INDUSTRY OVERVIEW**

30. INTRAVENOUS DIAGNOSTICS - BY TYPE - FFR - GEOGRAPHIC REGION CURRENT TRENDS, ESTIMATES & FORECASTS FOR USA, JAPAN, EUROPE AND REST OF WORLD - (2012-2018, IN USD$ MILLION)

31. INTRAVENOUS DIAGNOSTICS – BY TYPE - OCT - GEOGRAPHIC REGION CURRENT TRENDS, ESTIMATES & FORECASTS FOR USA, JAPAN, EUROPE AND REST OF WORLD - (2012-2018, IN USD$ MILLION)

32. ESTIMATED DIRECT AND INDIRECT COSTS OF CARDIOVASCULAR DISEASES IN THE UNITED STATES OF AMERICA - (2010, IN USD BILLION)

33. PROJECTED TOTAL COSTS OF CARDIOVASCULAR DISEASES IN THE UNITED STATES OF AMERICA - (2015-2030, IN USD BILLION)

34. ESTIMATED DIRECT AND INDIRECT COSTS OF CARDIOVASCULAR DISEASE BY AGE - (2012, IN USD BILLION)

35. PROJECTIONS OF CRUDE CARDIOVASCULAR DISEASE PREVALENCE - (% - 2010-2030) IN THE UNITED STATES

36. PROJECTED DIRECT MEDICAL COSTS OF CARDIOVASCULAR DISEASE - ($USD BILLION, 2010-2030) IN THE UNITED STATES

37. PROJECTED INDIRECT LOST PRODUCTIVITY COSTS OF CARDIOVASCULAR DISEASE - ($USD BILLION, 2010-2030) IN THE UNITED STATES

38. LIST OF APPROVALS FOR CARDIOVASCULAR MEDICAL DEVICES IN 2014

39. LIST OF APPROVALS FOR CARDIOVASCULAR MEDICAL DEVICES IN 2013

40. WORLDWIDE KEY PLAYERS INTO CARDIOVASCULAR DEVICES INDUSTRY THAT PROJECT IMPROVED MARKET ACTIVITIES IN THE NEAR FUTURE

41. COVERAGE OF CARDIAC DEVICES MARKETED AND PIPELINE PRODUCTS

42. CARDIAC ARRHYTHMIAS DRUG TREATMENT PRODUCT LAUNCHES WITH GENERIC NAME

43. CIRCADIAN RHYTHM SLEEP DISORDERS DRUG TREATMENT PRODUCT LAUNCHES WITH GENERIC NAME - 2014

44. PERIPHERAL VASCULAR DISEASE (PVD) DRUG TREATMENT PRODUCT LAUNCHES WITH GENERIC NAME

45. ANNUAL SALES OF CARDIAC THERAPY PRODUCTS MARKETED BY THERAPY AREA - (2010-2012, IN US$ MILLION)

46. ABIOMED, INC. - PRODUCT REVENUE, FOR 2011-2013 (IN US$ '000)

47. ACCELLENT, INC. - NET REVENUE, FOR 2011 AND 2012 (IN US$ '000)

48. ALERE, INC. - NET REVENUE BY MARKET SEGMENT, FOR 2012 AND 2013 (IN US$ '000)

49. AMBU A/S, INC. - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2012 & 2013 (IN DKK MILLION)

50. ANGIODYNAMICS, INC. - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2012 & 2013 (IN USD$ '000)

51. ATRICURE, INC. - NET SALES BY PRODUCT IN DOMESTIC & INTERNATIONAL AND GEOGRAPHY, FOR 2012 & 2013 (IN US$ '000)

52. BAXTER INTERNATIONAL, INC. - NET SALES BY MARKET SEGMENT AND GEOGRAPHY, FOR 2012 & 2013 (IN USD$ MILLION)

53. BECTON, DICKINSON & CO - NET SALES BY MARKET SEGMENT, FOR 2011-2013 (IN USD$ MILLION)

54. BIOHEART, INC. - NET SALES, FOR 2011-2013 (IN US$ '000)

55. BIOSENSORS INTERNATIONAL GROUP, LTD. - NET SALES REVENUE BY MARKET SEGMENT, LICENSING AND GEOGRAPHY, FOR 2012 & 2013 (IN US$ '000)

56. BIOTELEMETRY, INC. - NET SALES REVENUE AND GROSS PROFIT, FOR 2011-2013 (IN US$ '000)

57. BOSTON SCIENTIFIC CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN USD$ MILLION)

58. C. R. BARD, INC. - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

59. CARDICA, INC. - NET REVENUE, FOR 2011-2013 (IN US$ '000)

60. COMPUMED. INC. - NET REVENUE BY MARKET SEGMENT, FOR 2012 AND 2013 IN USD

61. COVIDEN, INC. - NET REVENUE BY MARKET SEGMENT & GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

62. COVIDEN, INC. - NET REVENUE BY MARKET SEGMENT, FOR USA AND NON-USA FOR 2011-2013 (IN US$ MILLION)

63. CONMED CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ '000)

64. CRYOLIFE, INC. - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN US$ '000)

65. CRYOLIFE, INC. - NET REVENUE BY GEOGRAPHY, FOR 2011-2013 (IN US$ '000)

66. DELTEX MEDICAL GROUP PLC - NET REVENUE BY MARKET SEGMENT, FOR 2012 AND 2013 (IN US$ '000)

67. DIGIRAD CORPORATION - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN US$ '000)

68. DRÄGER MEDICAL AG & CO. KG - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2012 AND 2013 (IN US$ 'MILLION)

69. EDWARDS LIFESCIENCES LLC - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ 'MILLION)

70. ENDOLOGIX, INC, - NET REVENUE BY GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

71. HEARTWARE, LTD. - NET REVENUE BY GEOGRAPHY, FOR 2011-2013 (IN US$ '000)

72. HOSPIRA, INC. - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

73. INDRAPRASTHA APOLLO HOSPITAL - NET REVENUE, FOR 2012-2013 (IN INDIAN RUPEES)

74. INSPIREMD, LTD. - NET REVENUE, FOR 2012-2013 (IN US$ '000)

75. JOHNSON & JOHNSON - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

76. KONINKLIJKE DSM N.V - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2012 AND 2013 IN (EURO MILLION)

77. LOMBARD MEDICAL TECHNOLOGIES PLC - NET REVENUE, FOR 2011-2013 (IN US$ '000)

78. OPTO CIRCUITS (INDIA) LIMITED - NET REVENUE BY CONSOLIDATED AND STANDALONE, FOR 2011-2013 (IN INDIAN RUPEES)

79. MICROPORT MEDICAL (SHANGHAI) CO. LTD - NET REVENUE, FOR 2012 AND 2013 SIX MONTHS ENDED 30TH JUNE (IN RMB'000)

80. ST. JUDE MEDICAL, INC. - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (US$ IN MILLION)

81. TTK - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN INDIAN RUPEES)

82. CARDIUM THERAPEUTICS, INC. - NET REVENUE, FOR 2012-2013 ENDED FOR NINE MONTHS (IN US$ MILLION)

83. MERIT MEDICAL SYSTEMS, INC. - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN US$ '000)

84. SPECTRANETICS INTERNATIONAL B.V - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ '000)

85. VARIAN MEDICAL - NET REVENUE BY MARKET AND GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

86. TELEFLEX MEDICAL - NET REVENUE BY MARKET SEGMENT AND GEOAGRAPHY, FOR 2011-2013 (IN US$ MILLION)

87. ABBOTT VASCULAR DEVICES - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN US$ MILLION)

88. MEDTRONIC, INC - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2012 (IN US$ MILLION)

89. AORTECH INTERNATIONAL PLC - NET REVENUE BY GEOGRAPHY, FOR 2011-2013 (IN US$ '000)

90. VOLCANO CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011 & 2012 (IN US$ '000)

91. PHILIPS MEDICAL SYSTEMS - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011 & 2012 (IN US$ '000)

92. ATCOR MEDICAL HOLDINGS LIMITED - NET REVENUE BY GEOAGRAPHY, FOR 2012 AND 2013 (IN US$ MILLION)

93. LIDCO GROUP PLC - NET REVENUE BY PRODUCTS AND GEOGRAPHY, FOR 2011-2013 (IN GBP£ '000)

94. SORIN GROUP USA, INC. - NET REVENUE BY MARKET SEGMENT AND GEOAGRAPHY, 2011-2013 (IN EURO MILLION)

95. THORATEC CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011 & 2012 (IN US$ '000)

96. STEREOTAXIS, INC. - NET REVENUE BY PRODUCT AND GEOGRAPHY, FOR 2011 & 2012 (IN USD)

97. F.HOFFMANN-LA ROCHE LTD - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN CHF MILLION)

98. PULSION MEDICAL SYSTEMS SE - NET REVENUE BY PRODUCT AND GEOGRAPHY, FOR 2012-2013 (IN EURO '000)

99. NOVADAQ TECHNOLOGIES INC - NET REVENUE BY CATEGORY AND GEOGRAPHY, FOR 2011-2013 (IN USD)

100. SIEMENS MEDICAL SOLUTIONS USA, INC. - NET REVENUE BY GEOGRAPHY AND MARKET SEGMENT, FOR 2012 AND 2013 (IN € MILLION)

101. FUKUDA DENSHI CO. LTD - NET REVENUE BY MARKET SEGMENT, FOR 2011-2013 (IN MILLION YEN)

102. NIHON KOHDEN CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN MILLION YEN)

103. LEPU MEDICAL TECHNOLOGY (BEIJING) CO., LTD - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011 AND 2012 (IN YUAN)

104. ASAHI KASEI CORPORATION - NET REVENUE BY MARKET SEGMENT AND GEOGRAPHY, FOR 2011-2013 (IN ‘¥’ YEN)

**KEY COMPANY PROFILES**

**NORTH AMERICA**

ALERE, INC.

CARDIOROBOTICS, INC.

INTERFACE BIOLOGICS, INC.

MERIDIAN HEALTH SYSTEM, INC

CARDIVA MEDICAL, INC.

LOMBARD MEDICAL TECHNOLOGIES PLC

DELTEX MEDICAL GROUP PLC

BIOTELEMETRY, INC.

BIOHEART, INC.

ASAHI INTECC CO., LTD.

ANGIODYNAMICS, INC.

MERIT MEDICAL SYSTEMS, INC.

MOLECULAR DEVICES, LLC

ACCELLENT, INC.

MEDTRONIC, INC.

ABBOTT VASCULAR DEVICES

CAMBRIDGE HEART, INC.

GREATBATCH, INC.

ABIOMED, INC.

ADVANSOURCE BIOMATERIALS CORPORATION

ATRICURE, INC.

ATRIUM MEDICAL CORPORATION

BIOPHAN TECHNOLOGIES, INC.

BIOSENSE WEBSTER, INC.

BOSTON SCIENTIFIC CORPORATION

CARDIAC SCIENCE CORPORATION

CARDIACASSIST, INC.

CARDICA, INC.

COOK GROUP INCORPORATED

CORDIS CORPORATION

CRYOLIFE INC.

MAQUET GMBH & CO. KG

DIGIRAD CORPORATION

EDWARDS LIFESCIENCES, LLC.

ENDOLOGIX INCORPORATED

ISSYS SENSING SYSTEMS, INC

APTUS ENDOSYSTEMS, INC.

FLUXION

JOHNSON & JOHNSON

KONINKLIJKEDSM N.V.

MEDRAD, INC.

BIOCLINICA

MILLAR INSTRUMENTS, INC

MONEBO TECHNOLOGIES, INC.

MORTARA INSTRUMENT, INC.

SIEMENS MEDICAL SOLUTIONS USA, INC.

SONOSITE, INC.

SORIN GROUP USA, INC.

ST. JUDE MEDICAL

STEREOTAXIS, INC.

TELEFLEX, INC.

CARDIOVASCULARSYSTEMS, INC.

TERUMO CARDIOVASCULAR SYSTEMS CORPORATION

TERUMO HEART, INC.

THORATEC CORPORATION

VICOR TECHNOLOGIES, INC.

VOLCANO CORPORATION

COMPUMED, INC.

PULSION MEDICAL SYSTEMS SE

3M HEALTHCARE

BAXTER INTERNATIONAL INC.

BECTON, DICKINSON & CO.

NOVADAQ TECHNOLOGIES INC.

SCOTTCARE CARDIOVASCULAR SOLUTIONS

VARIAN MEDICAL SYSTEMS, INC.

THERMEDICS, INC.

LEVITRONIX, LLC

SUNSHINE HEART, INC.

ACCUTECH, LLC

ASH ACCESS TECHNOLOGY, INC.

C. R. BARD, INC.

CONMED CORPORATION

HOSPIRA, INC.

SURGICAL SPECIALISTIES CORPORATION

CARDIUM THERAPEUTICS, INC.

CIRCULITE, INC.

CARDIOCOMM SOLUTIONS, INC.

**EUROPE**

BERLIN HEART GMBH

ESAOTE S.P.A

SOPHION BIOSCIENCE A/S

BIOTRONIK GMBH & CO. KG.

DRÄGER MEDICAL AG & CO. KG

BIOTEQUE CORPORATION

SPECTRANETICS INTERNATIONAL B.V

AORTECH INTERNATIONAL, PLC.

APC CARDIOVASCULAR, LTD.

ARTERIAL REMODELING TECHNOLOGIES

GE HEALTHCARE

LIDCO GROUP PLC

PHILIPS MEDICAL SYSTEMS

SMITH & NEPHEW PLC

VASCULAR CONCEPTS

AMBU A/S

FLEMING MEDICAL LIMITED

COVIDIEN PLC

**ASIA-PACIFIC**

NIHON KOHDEN CORPORATION

ALL PRO CORPORATION

FUKUDA DENSHI CO., LTD.

SICHUAN JINJIANG ELECTRONIC SCIENCE AND TECHNOLOGY CO., LTD

SYNCARDIA SYSTEMS, INC.

MICROPORTS MEDICAL

LEPU MEDICAL

BEIJING ANZHEN HOSPITAL

FUDAN UNIVERSITY ZHONGSHAN HOSPITAL

INDRAPRASTHA APOLLO HOSPITAL

SAHAJANAND MEDICAL TECHNOLOGIES PVT.,LTD.

OPTO CIRCUITS INDIA LIMITED

ASAHI KASEI CORPORATION

ASIAN HEART INSTITUTE

NARAYANA HRUDAYALAYA

USCOME LIMITED

HEARTWARE LTD.

BIOSENSORS INTERNATIONAL GROUP, LTD.

ATCOR MEDICAL HOLDINGS LIMITED

CATHRX LTD

TTK HEALTHCARE

GOODMAN CO., LTD.

**REST OF WORLD**

INSPIREMD LTD.

ITGI MEDICAL LTD.

MEDINOL, LTD.

GAMIDA CELL LTD.

AEROTEL MEDICAL SYSTEMS, LTD.