3D Printing Medical Devices Market to Reach $3.19 Billion With 22.6% CAGR Forecast to 2022

3D Printing Medical Devices -Market Demand, Growth, Opportunities and analysis of Top Key Player Forecast to 2022

PUNE, MAHARASHTRA, INDIA, February 17, 2017 /EINPresswire.com/ -- 3D Printing Medical Devices Industry

Description

According to Stratistics MRC, the Global 3D Printed Medical Devices market is expected to grow from $0.77 billion in 2015 to reach $3.19 billion by 2022 with a CAGR of 22.6%. Huge investments in R&D and continuous technological advancements in 3D printing are the major factors driving the market. Furthermore, booming market for organ transplantation, increasing acceptance of 3D-printed implants and organs are some of the key factors fueling the market growth. However, stringent regulations on medical devices to get approvals and high costs of 3D-printed organs are expected to hinder the market.

North America is anticipated to hold the largest share in global market due to increased government financial support to enhance 3D printing applications in the healthcare industry, and establishment of research & training centers in this region. Asia Pacific is expected to witness huge growth due to increasing demand of organ transplantation in emerging countries such as China, Japan and India. However, high cost of 3D printing systems and lack of skilled professionals are limiting its demand in the Asian countries.

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Some of the key players in global 3D printed medical devices market include

3D Systems Corporation, 3T RPD, Ltd., Arcam AB, Concept Laser GmbH, Envisiontec GmbH, Eos GmbH, Electro Optical Systems, Materialise NV, Prodways, Renishaw PLC, Stratasys Ltd Optomec, Amedica Corporation, Oceanz, and Zortrax.

Medical Products Covered:
• Tissue Engineering Products
o Ligament and Tendon Scaffolds
o Bone and Cartilage Scaffolds
• Surgical Instruments
o Retractors
o Scalpels
o Surgical Fasteners
• Surgical Guides

o Craniomaxillofacial (CMF) Guides
o Dental Guides
o Orthopedic Guides
• Hearing & Audibility Aid
• Prosthetics and Implants
o Standard Implants
o Custom Implants

Components Covered:
• Services and Software
• 3D Printing Equipment
o 3D Bioprinters
o 3D Printers
• Materials
o Biomaterials
o Metal and Metal Alloy Powders
o Plastics
o Other Materials

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Process Types Covered:
• Binder Jetting
• Directed Energy Deposition
• Material Extrusion
• Material Jetting
• Powder Bed Fusion
• Sheet Lamination
• Vat Photopolymerisation

Technologies Covered:
• Electron Beam Melting (EBM)
• Three Dimensional Printing (3DP) Or Adhesion Bonding
• Droplet Deposition (DD) or Extrusion-Based Technologies
o Multiphase Jet Solidification (MJS)
o Low-Temperature Deposition Manufacturing (LDM)
o Fused Deposition Modeling (FDM)
• Laser Beam Melting (LBM)
o Direct Metal Laser Sintering (DMLS)
o Selective Laser Melting (SLM)
o Lasercusing
o Selective Laser Sintering (SLS)
• Photopolymerization
o Two-Photon Polymerization (2PP)
o Stereolithography
o Digital Light Processing

Applications Covered:
• Clinical Study Devices
• External wearable devices
• Implants surface texture - Complex geometry

Regions Covered:
• North America
o US
o Canada
o Mexico
• Europe
o Germany
o France
o Italy
o UK
o Spain
o Rest of Europe
• Asia Pacific
o Japan
o China
o India
o Australia
o New Zealand
o Rest of Asia Pacific
• Rest of the World
o Middle East
o Brazil
o Argentina
o South Africa
o Egypt

What our report offers:
- Market share assessments for the regional and country level segments
- Market share analysis of the top industry players
- Strategic recommendations for the new entrants
- Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

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