

3D Printing Medical Devices - Global Market Outlook (2016-2022)

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Abstracts

According to Statistics 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.

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

Ligament and Tendon Scaffolds

Bone and Cartilage Scaffolds

Surgical Instruments

Retractors

Scalpels

Surgical Fasteners

Surgical Guides

Craniomaxillofacial (CMF) Guides

Dental Guides

Orthopedic Guides

Hearing & Audibility Aid

Prosthetics and Implants

Standard Implants

Custom Implants

Components Covered:

Services and Software

3D Printing Equipment

3D Bioprinters

3D Printers

Materials

Biomaterials

Metal and Metal Alloy Powders

Plastics

Other Materials

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

Multiphase Jet Solidification (MJS)

Low-Temperature Deposition Manufacturing (LDM)

Fused Deposition Modeling (FDM)

Laser Beam Melting (LBM)

Direct Metal Laser Sintering (DMLS)

Selective Laser Melting (SLM)

Lasercusing

Selective Laser Sintering (SLS)

Photopolymerization

Two-Photon Polymerization (2PP)

Stereolithography

Digital Light Processing

Applications Covered:

Clinical Study Devices

External wearable devices

Implants surface texture - Complex geometry

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

Rest of Asia Pacific

Rest of the World

Middle East

Brazil

Argentina

South Africa

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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185 Asia Pacific 3D Printed Medical Devices Market, By 3D Printing Equipment

(2013-2022) (\$MN)

186 Asia Pacific 3D Printed Medical Devices Market, By 3D Bioprinters (2013-2022)

(\$MN)

187 Asia Pacific 3D Printed Medical Devices Market, By 3D Printers (2013-2022) (\$MN)

188 Asia Pacific 3D Printed Medical Devices Market, By Materials (2013-2022) (\$MN)

189 Asia Pacific 3D Printed Medical Devices Market, By Biomaterials (2013-2022)

(\$MN)

190 Asia Pacific 3D Printed Medical Devices Market, By Metal and Metal Alloy Powders

(2013-2022) (\$MN)

191 Asia Pacific 3D Printed Medical Devices Market, By Plastics (2013-2022) (\$MN)

192 Asia Pacific 3D Printed Medical Devices Market, By Other Materials (2013-2022)

(\$MN)

193 Asia Pacific 3D Printed Medical Devices Market, By Process Type (2013-2022)

(\$MN)

194 Asia Pacific 3D Printed Medical Devices Market, By Binder Jetting (2013-2022)

(\$MN)

195 Asia Pacific 3D Printed Medical Devices Market, By Directed Energy Deposition

(2013-2022) (\$MN)

196 Asia Pacific 3D Printed Medical Devices Market, By Material Extrusion (2013-2022)

(\$MN)

197 Asia Pacific 3D Printed Medical Devices Market, By Material Jetting (2013-2022)

(\$MN)

198 Asia Pacific 3D Printed Medical Devices Market, By Powder Bed Fusion

(2013-2022) (\$MN)

199 Asia Pacific 3D Printed Medical Devices Market, By Sheet Lamination (2013-2022)

(\$MN)

200 Asia Pacific 3D Printed Medical Devices Market, By Vat Photopolymerisation

(2013-2022) (\$MN)

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