

3D Printing for Construction: Global Markets

<https://marketpublishers.com/r/3317DF822966EN.html>

Date: July 2023

Pages: 104

Price: US\$ 5,500.00 (Single User License)

ID: 3317DF822966EN

Abstracts

Report Scope:

The report provides an overview of the global market for 3D printing for construction and analyzes market trends. The base year considered for analyses is 2022, while the market estimates and forecasts are given from 2023 to 2028. The market estimates are only provided in terms of revenue and displayed in U.S. dollars. Revenue forecasts for this period are segmented based on material type, process, construction form, and geography.

The report provides key insights and latest trends pertaining to the global 3D printing for construction market such as hardware, materials, applications, and services. However, the quantitative analysis and market estimations only entail the revenue generated from material aspects of the overall market.

For preparing accurate data estimates for 2022, we have only included buildings that are greater than 10 square meters, or 110 square feet, and are situated outdoors. In addition, the walls must have been fully 3D printed.

Report Includes:

26 data tables and 26 additional tables

An up-to-date overview and analysis of the global market for 3D printing for construction sector

Analyses of the global market trends, with historic market revenue data (sales figures) for 2022, estimates for 2023, and projections of compound annual growth rates (CAGRs) through 2028

Highlights of the current and upcoming potential for the 3D printing in construction industry, growth driving factors, and areas of focus to forecast this market into various segments and sub-segments

Estimation of the actual market size and revenue forecast for global 3D printing for construction market, and corresponding market share analysis based on the material type, process, construction form, and region

Updated information on key market drivers and opportunities, industry shifts and regulations, and other demographic factors that will influence the market demand in the coming years (2023-2028)

Analysis of market opportunities with a holistic review of Porter's five forces model and industry supply chain analysis considering both micro%li%and macro environmental factors prevailing in the market

Review of emerging technologies in the space of 3D printing for construction and analysis of patents granted related to the global market

A look at the major growth strategies adopted by leading players operating in 3D printing in construction market, recent developments, strategic alliances, and competitive benchmarking

Identification of the major stakeholders and analysis of the competitive landscape based on recent developments and segmental revenues

Descriptive company profiles of the leading global players, including Apis Cor Inc., COBOD International A/S, Materialise, Peri 3D Construction GmbH, Sika AG, and Yingchuang Building Technique Shanghai Co. Ltd. (WinSun)

Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Information Sources
Research Methodology
Geographic Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND

Market Background
Definition and Introduction
Status of the Global 3D Printing Industry
Key Global 3D Printing Market Trends in 2022
History and Current State of 3D Printing for the Construction Sector
3D Printing in Construction
Process of 3D Printing in Construction
3D Construction Printer
Age of 3D Printed Building Structures
Benefits of 3D Printing in Construction

CHAPTER 4 MARKET DYNAMICS

Market Dynamics
Drivers
Challenges
Opportunities
Supply Chain Analysis
Porter's Analysis

CHAPTER 5 MARKET ANALYSIS BY MATERIAL

Overview
Concrete and Mortar
Polymers
Others

CHAPTER 6 MARKET ANALYSIS BY PROCESS

Overview
Extrusion
Powder Bonding and others

CHAPTER 7 MARKET ANALYSIS BY CONSTRUCTION FORM

Overview
On-site
Off-site

CHAPTER 8 MARKET ANALYSIS BY REGION

Global Market
Americas
U.S.
Rest of Americas
Europe
Germany
Netherlands
Rest of Europe
Asia-Pacific (APAC)
China
Japan
Rest of Asia-Pacific
Middle East and Africa (MEA)

CHAPTER 9 ESG DEVELOPMENT

Importance of ESG in 3D Printing for the Construction Industry
ESG Ratings and Metrics: Understanding the Data
ESG Practices in 3D Printing for Construction Industry

Consumer Attitudes Toward ESG in the Global 3D Printing for Construction Market
Future of ESG
Case Studies: Examples of Successful ESG Implementation
SIKA AG

CHAPTER 10 EMERGING TECHNOLOGIES AND DEVELOPMENTS

Current Market Trends
Growth of Plant-Based Recyclable 3D Printing Materials to Support Circular Interior and Architectural Systems
Increasing Popularity of Low-carbon Concrete
Emphasis on Reducing Total Construction Time
Emerging Technologies
3D Printing with Living Soil
New Application Technology Enabling Colorful Printing
3D Printing with AI
Notable Advancements In 3D-construction Printers
Introduction of Eco-friendly Printing Materials
Development of Innovative Materials
Contour Crafting
Lunar 3D-Printing Construction Technology

CHAPTER 11 COMPETITIVE LANDSCAPE

Competitive Scenario Analysis
Key Market Developments
Patent Analysis

CHAPTER 12 COMPANY PROFILES

AECTUAL B.V.
APIS COR INC.
COBOD INTERNATIONAL A/S
CYBE CONSTRUCTION
ICON TECHNOLOGY, INC.
LATICRETE INTERNATIONAL INC.
MATERIALISE
PERI 3D CONSTRUCTION GMBH
SIKA AG

YINGCHUANG BUILDING TECHNIQUE (SHANGHAI CO. LTD. (WINSUN))

List Of Tables

LIST OF TABLES

Summary Table: Global Market for 3D Printing for Construction, by Region, Through 2028

Table 1: Differences between the Robotic Arm and Gantry 3D Printers

Table 2: The Economic Impact of 3D Printing on Construction in the Developed Countries

Table 3: Global Market for 3D Printing for Construction, by Material, Through 2028

Table 4: Global Market for Concrete and Mortar 3D Printing for Construction, by Region, Through 2028

Table 5: Global Market for Polymer 3D Printing for Construction, by Region, Through 2028

Table 6: Global Market for Other Materials in 3D Printing for Construction, by Region, Through 2028

Table 7: Global Market for 3D Printing for Construction, by Process, Through 2028

Table 8: Global Market for Extrusion in 3D Printing for Construction, by Region, Through 2028

Table 9: Global Market for Powder Bonding and Others in 3D Printing for Construction, by Region, Through 2028

Table 10: Global Market for 3D Printing for Construction, by Construction Form, Through 2028

Table 11: Global Market for On-Site 3D Printing for Construction, by Region, Through 2028

Table 12: Global Market for Off-Site 3D Printing for Construction, by Region, Through 2028

Table 13: Americas' Market for 3D Printing for Construction, by Country, Through 2028

Table 14: Americas' Market for 3D Printing for Construction, by Material, Through 2028

Table 15: Americas' Market for 3D Printing for Construction, by Construction Form, Through 2028

Table 16: Americas' Market for 3D Printing for Construction, by Process, Through 2028

Table 17: European Market for 3D Printing for Construction, by Country, Through 2028

Table 18: European Market for 3D Printing for Construction, by Material, Through 2028

Table 19: European Market for 3D Printing for Construction, by Construction Form, Through 2028

Table 20: European Market for 3D Printing for Construction, by Process, Through 2028

Table 21: Asia-Pacific Market for 3D Printing for Construction, by Country, Through 2028

Table 22: Asia-Pacific Market for 3D Printing for Construction, by Material, Through 2028

Table 23: Asia-Pacific Market for 3D Printing for Construction, by Construction Form, Through 2028

Table 24: Asia-Pacific Market for 3D Printing for Construction, by Process, Through 2028

Table 25: Middle East and African Market for 3D Printing for Construction, by Material, Through 2028

Table 26: Middle East and African Market for 3D Printing for Construction, by Construction Form, Through 2028

Table 27: Middle East and African Market for 3D Printing for Construction, by Process, Through 2028

Table 28: ESG Ratings and Metrics

Table 29: ESG Issue Analysis

Table 30: Key Market Developments, 2023

Table 31: Patents on 3D Printing for Construction Market

Table 32: Aectual B.V.: 3D Printing for Construction Product Portfolio

Table 33: Apis Cor Inc.: News/Key Developments, 2022

Table 34: Apis Cor Inc.: 3D Printing for Construction Product Portfolio

Table 35: COBOD International A/S: Annual Revenue, 2021

Table 36: COBOD International A/S: News/Key Developments, 2023

Table 37: COBOD International A/S: 3D Printing for Construction Product Portfolio

Table 38: CyBe Construction: 3D Printing for Construction Product Portfolio

Table 39: ICON Technology Inc.: News/Key Developments, 2023

Table 40: ICON Technology Inc.: 3D Printing for Construction Product Portfolio

Table 41: Laticrete International Inc.: 3D Printing for Construction Product Portfolio

Table 42: Materialise: Annual Revenue, 2022

Table 43: Materialise: News/Key Developments, 2022

Table 44: Materialise: 3D Printing for Construction Product Portfolio

Table 45: Peri 3D Construction GmbH: News/Key Developments, 2023

Table 46: Peri 3D Construction GmbH: 3D Printing for Construction Product Portfolio

Table 47: Sika AG: Annual Revenue, 2022

Table 48: Sika AG: News/Key Developments, 2022

Table 49: Sika AG: 3D Printing for Construction Product Portfolio

Table 50: Yingchuang Building Technique Shanghai Co. Ltd. (WinSun): News/Key Developments, 2023

Table 51: Yingchuang Building Technique Shanghai Co. Ltd. (WinSun): 3D Printing for Construction Product Portfolio

List Of Figures

LIST OF FIGURES

Summary Figure: Global Market Share of 3D Printing for Construction, by Region, 2022

Figure 1: Benefits Offered by 3D Printing in Prototyping

Figure 2: Key Trends in Global 3D Printing for the Construction Market, 2022

Figure 3: Key Steps in 3D Printing

Figure 4: Two Popular 3D Printers in Construction

Figure 5: Usage of Conventional Construction Material, by Age

Figure 6: Benefits of 3D Printing in Construction

Figure 7: House Prices Across Key Countries, Q4 2021

Figure 8: TECLA: House 3D-built from Locally Sourced Clay

Figure 9: Market Dynamics: Drivers and Challenges

Figure 10: Urban Population, by Key Countries, 2000-2021

Figure 11: Supply Chain Analysis of the 3D Printing for Construction Market

Figure 12: Porter's Five Force Analysis

Figure 13: Global Market Share of 3D Printing for Construction, by Material, 2022

Figure 14: Global Market Share of Concrete and Mortar 3D Printing for Construction, by Region, 2022

Figure 15: Global Market Share of Polymer 3D Printing for Construction, by Region, 2022

Figure 16: Global Market Share of Other Materials in 3D Printing for Construction, by Region, 2022

Figure 17: Global Market Share of 3D Printing for Construction, by Process, 2022

Figure 18: Global Market Share of Extrusion in 3D Printing for Construction, by Region, 2022

Figure 19: Global Market Share of Powder Bonding and Others in 3D Printing for Construction, by Region, 2022

Figure 20: Global Market Share of 3D Printing for Construction, by Construction Form, 2022

Figure 21: On-site 3D Printing in Construction

Figure 22: Global Market Share of On-Site 3D Printing for Construction, by Region, 2022

Figure 23: Off-site 3D Printing in Construction

Figure 24: Global Market Share of Off-Site 3D Printing for Construction, by Region, 2022

Figure 25: Americas' Market Share of 3D Printing for Construction, by Country, 2022

Figure 26: Americas' Market Share for 3D Printing for Construction, by Material, 2022

Figure 27: Americas' Market Share for 3D Printing for Construction, by Construction Form, 2022

Figure 28: Americas' Market Share for 3D Printing for Construction, by Process, 2022

Figure 29: European Market Share of 3D Printing for Construction, by Country, 2022

Figure 30: European Market Share of 3D Printing for Construction, by Material, 2022

Figure 31: European Market Share of 3D Printing for Construction, by Construction Form, 2022

Figure 32: European Market Share of 3D Printing for Construction, by Process, 2022

Figure 33: Asia-Pacific Market Share of 3D Printing for Construction, by Country, 2022

Figure 34: Asia-Pacific Market Share of 3D Printing for Construction, by Material, 2022

Figure 35: Asia-Pacific Market Share of 3D Printing for Construction, by Construction Form, 2022

Figure 36: Asia-Pacific Market Share of 3D Printing for Construction, by Process, 2022

Figure 37: Middle East and African Market Share of 3D Printing for Construction, by Material, 2022

Figure 38: Middle East and African Market Share of 3D Printing for Construction, by Construction Form, 2022

Figure 39: Middle East and African Market Share of 3D Printing for Construction, by Process, 2022

Figure 40: Key ESG Issues in 3D Printing for Construction Market

Figure 41: Key Market Trends

Figure 42: Most Popular Competitive Strategies in the Global 3D Printing for Construction Market, 2022 and 2023

Figure 43: COBOD International A/S: Annual Revenue, 2020 and 2021

Figure 44: Materialise: Annual Revenue, 2021 and 2022

Figure 45: Materialise: Revenue Shares, by Business Segment, 2022

Figure 46: Sika AG: Annual Revenue, 2021 and 2022

Figure 47: Sika AG: Revenue Shares, by Business Unit, 2022

Figure 48: Sika AG: Revenue Shares, by Country/Region, 2022

I would like to order

Product name: 3D Printing for Construction: Global Markets

Product link: <https://marketpublishers.com/r/3317DF822966EN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/3317DF822966EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970