+44 20 8123 2220
info@marketpublishers.com

3D Food Printing Market by Vertical (Government, Commercial, and Residential), Technique (Extrusion Based Printing, Selective Laser Sintering, Binder Jetting and Inkjet Printing), Ingredient and Geography - Global Forecast to 2027

https://marketpublishers.com/r/313574193C8EN.html
Date: May 2022
Pages: 203
Price: US$ 4,950.00 (Single User License)
ID: 313574193C8EN

Abstracts

According to MarketsandMarkets, the 3D Food Printing market is estimated to account for nearly USD 201 million in 2022 and is projected to grow at a CAGR of 57.3 %, to reach nearly USD 1,941 million by 2027. The 3D food printing market is mainly impacted by innovations, as manufacturers are always introducing new processing techniques to produce complex food products of different shapes and sizes, thereby focusing on catering to the increasing demand of customized food products and changing consumer behavior.

“Asia pacific: fastest growing segment of 3D food printing market, by region”

The 3D food printing market in the Asia Pacific is projected to witness the fastest growth between 2022 and 2027. Asia Pacific, being the region with a huge population, hosts the largest number of consumers, and it is also the fastest-growing region in the world in terms of technology. The market in Asia Pacific has been further segmented on the basis of countries into Japan, China, South Korea, and Rest of Asia Pacific. Asia Pacific is projected to be the fastest-growing 3D food printing market, with Japan and China being the major contributors. China is expected to lead the 3D food printing market in Asia Pacific during the forecast period. China has the world’s largest aging population; the capability of 3D food printers to deliver soft chewable printed food based on the specific requirements of the nutrients would prove better than traditional food. During the forecast period, the 3D food printing market in Asia Pacific is predicted to grow fastest. Growing age and poverty, as well as a lack of sufficient food to feed the

population, are expected to drive the market's quickest growth in Asia Pacific throughout the projection period. 3D printing enables the creation of easy-to-chew meals with a composition tailored to the patients' nutritional needs. This is expected to aid in feeding elderly patients with specific nutrient-rich foods based on their needs.

"Proteins: Second largest segment of 3D food printing market, by ingredient type"

Based on ingredient type, protein segment is projected to record the second largest growth in 3D food printing market between 2022 and 2027 followed by the carbohydrate segment. It contains protein derived from both plants and dairy. Specifically, several startups focused on 3D printing plant-based alternative proteins have emerged in the last few years. Redefine Meat, an Israeli company founded last year, is among the most well-funded. The 3D printer can arrange nanofibers of plant proteins such as pea powder and seaweed to mimic the structure and texture of steak or chicken. Many companies are growing real meat from animal cells and expect to have the first lab-grown steak in limited markets in just a couple of years. Some of the key companies in this segment are Novameats, Savoreats, Aleph Farms, and Perfect Day.

"Extrusion based printing: largest segment of 3D food printing market, by technique"

The 3D food printing market in the Extrusion-based printing is projected to witness the largest growth during the forecast period. 3D food printing is originally a costly process in terms of production and also takes time to print the food apart from the major advantages like customized nutrient food. There are four major techniques are in widely used in market which are extrusion-based printing, binder jetting, Selective Laser Sintering (SLS)/Hot-Air Sintering (HAS), and Inkjet printing. Each technique had a unique application and features, of which extrusion-based printing is a majorly adopted technique among the key players

Break-up of Primaries

By Company Type: Tier 1 –20 %, Tier 2 – 50%, and Tier 3 – 30%

By Designation: C-level – 31%, D-level – 24%, and Others* – 45%

By Region: North America – 34%, Europe –31%, Asia Pacific – 32% and RoW** – 3%

+44 20 8123 2220
info@marketpublishers.com

*Others include sales managers, marketing managers, and product managers.
**RoW includes South America, the Middle East, and Africa.

Leading players profiled in this report include the following:

Byflow (Netherlands)

TNO (Netherlands)

Natural Machines (Spain)

Choc Edge (UK)

3D Systems (US)

Systems & Materials Research Corporation (US)

Procusini (Germany)

BeeHex (US)

Candyfab (US)

Zmorph (Poland)

Mycusini (Germany)

Wiibox (China)

Savoureat Ltd (Israel)

3Desserts Graphiques (France)

Barilla (Italy)

Redefine Meat Ltd (Israel)

The Sugar Lab (US)

+44 20 8123 2220
info@marketpublishers.com

Novameat (Spain)

Open Meals (Japan)

Food Ink (UK)

Research Coverage

The report segments the 3D food printing market on the basis of ingredient type, vertical, technique, and region. To offer valuable insights, this report has focused on various levels of analysis—competitive landscape, end use analyses, and company profiles—which together comprise and discuss views on the emerging & high-growth segments of the 3D food printing market, the high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges. The report also focuses on the various organic and inorganic strategies that are undertaken by key players for expanding their global footprints in the international markets.

Reasons to buy this report

To get a comprehensive overview of the 3D food printing market

To gain wide information about the top players in this industry, their product portfolios, and the key strategies adopted by them

To gain insights about the major countries/regions, in which the 3D food printing market is projected to grow significantly

+44 20 8123 2220
info@marketpublishers.com

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY
1.1.1 MARKET DEFINITION
1.2 MARKET SCOPE
FIGURE 1 MARKET SEGMENTATION: 3D FOOD PRINTING MARKET
TABLE 1 INCLUSIONS AND EXCLUSIONS
FIGURE 2 GEOGRAPHIC SCOPE
1.3 PERIODIZATION CONSIDERED
1.4 CURRENCY CONSIDERED
TABLE 2 USD EXCHANGE RATES CONSIDERED, 2016–2020
1.5 STAKEHOLDERS
1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA
FIGURE 3 RESEARCH DESIGN: 3D FOOD PRINTING MARKET
2.1.1 SECONDARY DATA
2.1.1.1 Key data from secondary sources
2.1.2 PRIMARY DATA
2.1.2.1 Key data from primary sources
2.1.2.2 Breakdown of primary interviews
FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION & REGION
2.2 MARKET SIZE ESTIMATION
2.2.1 DEMAND-SIDE ASPECTS OF MARKET SIZING
2.2.2 BOTTOM-UP APPROACH
2.2.3 TOP-DOWN APPROACH
2.3 MARKET BREAKDOWN & DATA TRIANGULATION
FIGURE 5 DATA TRIANGULATION METHODOLOGY
2.4 RESEARCH ASSUMPTIONS & LIMITATIONS
2.4.1 ASSUMPTIONS
FIGURE 6 ASSUMPTIONS OF THE STUDY
2.5 RESEARCH LIMITATIONS & ASSOCIATED RISKS
2.6 MARKET SCENARIOS CONSIDERED FOR THE IMPACT OF COVID-19
2.6.1 SCENARIO-BASED MODELLING

+44 20 8123 2220
info@marketpublishers.com

2.7 COVID–19 HEALTH ASSESSMENT
FIGURE 7 COVID–19: GLOBAL PROPAGATION
FIGURE 8 COVID–19 PROPAGATION: SELECT COUNTRIES
2.8 COVID–19 ECONOMIC ASSESSMENT
FIGURE 9 REVISED GROSS DOMESTIC PRODUCT FORECASTS FOR SELECT G20 COUNTRIES IN 2020
2.8.1 COVID–19 ECONOMIC IMPACT—SCENARIO ASSESSMENT
FIGURE 10 CRITERIA IMPACTING THE GLOBAL ECONOMY
FIGURE 11 SCENARIOS IN TERMS OF RECOVERY OF GLOBAL ECONOMY

3 EXECUTIVE SUMMARY

TABLE 3 3D FOOD PRINTING MARKET SNAPSHOT, 2022 VS. 2027
FIGURE 12 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022 VS. 2027 (USD MILLION)
FIGURE 13 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022 VS. 2027 (USD MILLION)
FIGURE 14 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2022 VS. 2027 (USD MILLION)
FIGURE 15 3D FOOD PRINTING MARKET SHARE (VALUE), BY REGION, 2021

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE 3D FOOD PRINTING MARKET
FIGURE 16 INCREASE IN DEMAND FOR CUSTOMIZED FOOD TO PROPEL THE MARKET
4.2 NORTH AMERICA: 3D FOOD PRINTING MARKET, BY INGREDIENT & COUNTRY
FIGURE 17 CARBOHYDRATES AND THE US TO ACCOUNT FOR THE LARGEST SHARES IN THE NORTH AMERICAN MARKET IN 2022
4.3 3D FOOD PRINTING MARKET, BY INGREDIENT
FIGURE 18 3D CARBOHYDRATE PRINTING TO DOMINATE THE MARKET DURING THE FORECAST PERIOD
4.4 3D FOOD PRINTING MARKET, BY VERTICAL & REGION
FIGURE 19 NORTH AMERICA TO DOMINATE THE MARKET DURING THE FORECAST PERIOD
4.5 3D FOOD PRINTING MARKET, BY VERTICAL
FIGURE 20 COMMERCIAL USE TO DOMINATE THE MARKET DURING THE FORECAST PERIOD

+44 20 8123 2220
info@marketpublishers.com

4.6 3D FOOD PRINTING MARKET, BY TECHNIQUE
FIGURE 21 EXTRUSION-BASED PRINTING SEGMENT TO DOMINATE THE MARKET DURING THE FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
FIGURE 22 3D FOOD PRINTING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
5.2.1 DRIVERS
5.2.1.1 Bourgeoning demand for gourmet food
5.2.1.2 Higher focus on the development of nutritionally customized foods for enhanced health benefits
5.2.1.3 Rise in use of 3D printers in plant-based meat alternatives
5.2.1.4 Increase in adoption of 3D food printing to reduce food wastage
5.2.2 RESTRAINTS
5.2.2.1 Slow processing time involved
5.2.2.2 Lack of original flavor and texture
5.2.3 OPPORTUNITIES
5.2.3.1 Growth in demand from the hospitality industry
5.2.3.2 Strong rise in innovations and developments in bioprinting for printing meat and seafood products
5.2.3.3 Increase in research initiatives for development of newer innovative 3D food printing models
5.2.4 CHALLENGES
5.2.4.1 Limitations in processing different ingredients hamper usage of 3D printers
5.2.4.2 Ongoing research & development of this technology indicates a low current market use
5.3 COVID-19 IMPACT ANALYSIS

6 INDUSTRY TRENDS

6.1 INTRODUCTION
6.2 VALUE CHAIN
FIGURE 23 3D FOOD PRINTING MARKET: VALUE CHAIN
6.2.1 RESEARCH & PRODUCT DEVELOPMENT
6.2.2 PROCESSING AND SOFTWARE IMPLEMENTATION
6.2.3 PRODUCT MANUFACTURING

+44 20 8123 2220
info@marketpublishers.com

6.2.4 DISTRIBUTION, MANUFACTURING, AND POST-SALES
6.3 MARKET ECOSYSTEM AND SUPPLY CHAIN
FIGURE 24 3D FOOD PRINTING MARKET: MARKET ECOSYSTEM
FIGURE 25 PRODUCT R&D AND PRODUCTION ARE VITAL COMPONENTS OF THE SUPPLY CHAIN
TABLE 4 3D FOOD PRINTING MARKET: SUPPLY CHAIN (ECOSYSTEM)
FIGURE 26 3D FOOD PRINTING: MARKET MAP
6.4 TECHNOLOGY ANALYSIS
6.4.1 FOOD 3D BIOPRINTING
6.5 KEY CONFERENCES & EVENTS
TABLE 5 3D FOOD PRINTING MARKET: DETAILED LIST OF CONFERENCES & EVENTS IN 2022
6.6 TRADE DATA
6.6.1 IMPORT SCENARIO
TABLE 6 IMPORT DATA FOR HS CODE 8443, BY COUNTRY, 2016–2020 (USD BILLION)
FIGURE 28 POTENTIAL IMPORTS OF 3D PRINTERS, BY COUNTRY, 2019
6.6.2 EXPORT SCENARIO
FIGURE 29 EXPORT DATA FOR HS CODE 8443, BY COUNTRY, 2016–2020 (USD BILLION)
TABLE 7 EXPORT DATA FOR HS CODE 8443, BY COUNTRY, 2016–2020 (USD BILLION)
FIGURE 30 POTENTIAL EXPORTS OF 3D PRINTERS, BY COUNTRY, 2019
6.7 AVERAGE SELLING PRICE (ASP) ANALYSIS
FIGURE 31 ASP ANALYSIS OF 3D PRINTERS, 2018–2027 (USD)
TABLE 8 ESTIMATED PRICE FOR KEY 3D FOOD PRINTER BRANDS
6.8 TRENDS/DISRUPTIONS IMPACTING THE CUSTOMER’S BUSINESS
FIGURE 32 REVENUE SHIFT FOR THE 3D FOOD PRINTING MARKET
6.9 KEY STAKEHOLDERS AND BUYING CRITERIA
6.9.1 KEY STAKEHOLDERS IN THE BUYING PROCESS
FIGURE 33 INFLUENCE OF STAKEHOLDERS IN THE BUYING PROCESS FOR THE TOP THREE END USERS
TABLE 9 INFLUENCE OF STAKEHOLDERS IN THE BUYING PROCESS FOR THE TOP THREE END USERS (%)
6.9.2 BUYING CRITERIA
FIGURE 34 KEY BUYING CRITERIA FOR TOP 3 END USERS
TABLE 10 KEY CRITERIA FOR SELECTING SUPPLIER/VENDOR
6.10 PORTER’S FIVE FORCES ANALYSIS
TABLE 11 3D FOOD PRINTING MARKET: PORTER’S FIVE FORCES ANALYSIS

+44 20 8123 2220
info@marketpublishers.com

6.10.1 THREAT OF NEW ENTRANTS
6.10.2 THREAT OF SUBSTITUTES
6.10.3 BARGAINING POWER OF SUPPLIERS
6.10.4 BARGAINING POWER OF BUYERS
6.10.5 INTENSITY OF COMPETITIVE RIVALRY
6.11 PATENT ANALYSIS
FIGURE 35 INCREASE IN PATENT GRANTS FOR 3D FOOD PRINTERS, 2010–2021
FIGURE 36 KEY APPLICANTS FOR 3D FOOD PRINTER PATENTS IN THE MARKET, 2019–2021
FIGURE 37 3D FOOD PRINTER PATENTS, BY KEY JURISDICTION, 2015–2022
TABLE 12 LIST OF IMPORTANT PATENTS FOR 3D FOOD PRINTER EQUIPMENT, 2019–2021
6.12 CASE STUDIES
TABLE 13 BYFLOW: INCREASING DEMAND FOR PERSONALIZED CHOCOLATES
TABLE 14 DOVETAILED: INCREASING DEMAND FOR LIQUID-BASED 3D FOOD PRINTER
6.13 REGULATORY AFFAIRS
6.13.1 EUROPE
6.13.1.1 Status of printed food
6.13.1.2 Marketing requirements
6.13.2 GLOBAL
6.13.3 THE DIFFERENT STANDARDS PERTAINING TO INDUSTRIAL 3D PRINTERS
6.13.3.1 ASTM International
TABLE 15 ASTM STANDARDS
6.13.4 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 16 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 17 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

7 3D FOOD PRINTING MARKET, BY INGREDIENT

7.1 INTRODUCTION
FIGURE 38 THE CARBOHYDRATES SEGMENT IS PROJECTED TO DOMINATE THE MARKET THROUGHOUT THE FORECAST PERIOD
TABLE 18 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2018–2021 (USD MILLION)

TABLE 19 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022–2027 (USD MILLION)
7.2 DOUGH
7.2.1 RHEOLOGY OF DOUGH IS A DRIVER FOR 3D PRINTING
TABLE 20 3D DOUGH PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 21 3D DOUGH PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.3 FRUITS & VEGETABLES
7.3.1 FRUITS AND VEGETABLES ARE MAJOR SOURCES OF NUTRIENTS
TABLE 22 3D FRUIT & VEGETABLE PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 23 3D FRUIT & VEGETABLE PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.4 PROTEINS
7.4.1 DAILY NEED FOR PROTEIN AND EASY-TO-PRINT TEXTURE DRIVE THE SEGMENT
TABLE 24 3D PROTEIN PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 25 3D PROTEIN PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.5 SAUCES
7.5.1 INCREASE IN DEMAND FOR READY-TO-COOK FOOD DRIVES THE GROWTH OF SAUCES
TABLE 26 3D SAUCES PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 27 3D SAUCES PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.6 DAIRY PRODUCTS
7.6.1 CONSISTENCY AND MELTING PROPERTIES OF MILK AND MILK PRODUCTS ARE KEY FACTORS
TABLE 28 3D DAIRY PRODUCT PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 29 3D DAIRY PRODUCT PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.7 CARBOHYDRATES
7.7.1 CARBOHYDRATES ARE LARGELY USED DUE TO THEIR STRUCTURE
TABLE 30 3D CARBOHYDRATE PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)

+44 20 8123 2220
info@marketpublishers.com

TABLE 31 3D CARBOHYDRATE PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
7.8 OTHER INGREDIENTS
TABLE 32 3D OTHER FOOD INGREDIENT PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 33 3D OTHER FOOD INGREDIENT PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)

8 3D FOOD PRINTING MARKET, BY VERTICAL

8.1 INTRODUCTION
FIGURE 39 THE COMMERCIAL SEGMENT IS PROJECTED TO DOMINATE THE MARKET THROUGHOUT THE FORECAST PERIOD
TABLE 34 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 35 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
8.2 GOVERNMENT
8.2.1 DEFENSE
8.2.1.1 3D printing may expect high demand from the defense sector for personalized meals
8.2.2 EDUCATION
8.2.2.1 Adulteration and malnutrition in public schools can drive the market in the education sector
8.2.3 EMERGENCY SERVICES
8.2.3.1 Emergency services fulfill the demand for food and nutrition insecurity
TABLE 36 3D FOOD PRINTING MARKET SIZE FOR GOVERNMENT VERTICAL, BY REGION, 2018–2021 (USD MILLION)
TABLE 37 GOVERNMENT: 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
8.3 COMMERCIAL
8.3.1 RETAIL STORES
8.3.1.1 Improved logistics and increased modern retail stores help acquire 3D food printing
8.3.2 BAKERIES
8.3.2.1 Demand for fresh and artisan bread may increase the market for 3D food
8.3.3 CONFECTIONERIES
8.3.3.1 Popularity of chocolate in Europe fuels the growth and innovation of 3D

confectioneries
8.3.4 RESTAURANTS
8.3.4.1 Consumer preference for quick-service restaurants is a driving factor for 3D printed food
TABLE 38 3D FOOD PRINTING MARKET SIZE FOR COMMERCIAL VERTICAL, BY REGION, 2018–2021 (USD MILLION)
TABLE 39 3D FOOD PRINTING MARKET SIZE FOR COMMERCIAL VERTICAL, BY REGION, 2022–2027 (USD MILLION)
8.4 RESIDENTIAL
8.4.1 INNOVATIONS IN THIS SECTOR DRIVE THE GROWTH OF THE MARKET
TABLE 40 3D FOOD PRINTING MARKET SIZE FOR RESIDENTIAL VERTICAL, BY REGION, 2018–2021 (USD MILLION)
TABLE 41 3D FOOD PRINTING MARKET SIZE FOR RESIDENTIAL VERTICAL, BY REGION, 2022–2027 (USD MILLION)

9 3D FOOD PRINTING MARKET, BY TECHNIQUE

9.1 INTRODUCTION
FIGURE 40 THE EXTRUSION-BASED PRINTING SEGMENT IS PROJECTED TO DOMINATE THE MARKET THROUGHOUT THE FORECAST PERIOD
TABLE 42 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2018–2021 (USD MILLION)
TABLE 43 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2022–2027 (USD MILLION)
9.2 EXTRUSION-BASED PRINTING
9.2.1 EXTRUSION WOULD BE THE MOST AFFORDABLE TECHNIQUE BECAUSE OF ITS LOW COST
TABLE 44 EXTRUSION-BASED 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 45 EXTRUSION-BASED 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
9.3 BINDER JETTING
9.3.1 CAKES AND OTHER BAKERY PRODUCTS TO DRIVE THE MARKET FOR BINDER JETTING
TABLE 46 BINDER JET 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 47 BINDER JETTING 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
9.4 SELECTIVE LASER SINTERING (SLS)/HOT-AIR SINTERING (HAS)

+44 20 8123 2220
info@marketpublishers.com

9.4.1 GROWTH OF YOUNG POPULATION DRIVES DEMAND FOR SELECTIVE LASER SINTERING (SLS) TECHNIQUE
TABLE 48 SELECTIVE LASER SINTERING 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 49 SELECTIVE LASER SINTERING 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
9.5 INKJET PRINTING
9.5.1 HIGHER DEMAND FOR CUSTOMIZED FOOD DRIVES THE MARKET FOR INKJET PRINTING
TABLE 50 INKJET 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 51 INKJET 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)

10 3D FOOD PRINTING MARKET, BY REGION

10.1 INTRODUCTION
FIGURE 41 3D FOOD PRINTING MARKET: GEOGRAPHIC SNAPSHOT OF MARKET SHARE PERCENTAGE, 2021
TABLE 52 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 53 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
10.2 NORTH AMERICA
FIGURE 42 NORTH AMERICA: 3D FOOD PRINTING MARKET SNAPSHOT
TABLE 54 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 55 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 56 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2018–2021 (USD MILLION)
TABLE 57 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022–2027 (USD MILLION)
TABLE 58 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 59 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
TABLE 60 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2018–2021 (USD MILLION)

+44 20 8123 2220
info@marketpublishers.com

TABLE 61 NORTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2022–2027 (USD MILLION)
10.2.1 US
10.2.1.1 Industrial developments and innovations are leading the market growth
TABLE 62 US: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 63 US: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.2.2 CANADA
10.2.2.1 Growth of the bakery industry is a key factor in Canada
TABLE 64 CANADA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 65 CANADA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.2.3 MEXICO
10.2.3.1 Rise in adoption of customized foods and technology in restaurants driving the market growth
TABLE 66 MEXICO: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 67 MEXICO: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.3 EUROPE
FIGURE 43 SHARE OF COMPANIES IN THE FOOD AND DRINK INDUSTRY SECTOR (2018)
TABLE 68 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 69 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 70 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2018–2021 (USD MILLION)
TABLE 71 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022–2027 (USD MILLION)
TABLE 72 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 73 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
TABLE 74 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2018–2021 (USD MILLION)
TABLE 75 EUROPE: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE,

2022–2027 (USD MILLION)
10.3.1 GERMANY
10.3.1.1 Germany is a major contributor to the European food sector in terms of turnover
FIGURE 44 TURNOVER OF MAJOR EUROPEAN COUNTRIES FOOD & DRINK SECTOR, 2019
TABLE 76 GERMANY: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 77 GERMANY: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.3.2 UK
10.3.2.1 Innovative ideas propel the market for 3D-printed food in the UK
TABLE 78 UK: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 79 UK: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.3.3 NETHERLANDS
10.3.3.1 Presence of major 3D food printing companies leads to major market share
TABLE 80 NETHERLANDS: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 81 NETHERLANDS: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.3.4 SPAIN
10.3.4.1 Adoption of digital technologies drives the use of 3D food printing in Spain
TABLE 82 SPAIN: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 83 SPAIN: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.3.5 REST OF EUROPE
TABLE 84 REST OF EUROPE: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 85 REST OF EUROPE: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.4 ASIA PACIFIC
FIGURE 45 ASIA PACIFIC: 3D FOOD PRINTING MARKET SNAPSHOT
TABLE 86 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 87 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 88 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2018–2021 (USD MILLION)
TABLE 89 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022–2027 (USD MILLION)
TABLE 90 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 91 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
TABLE 92 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2018–2021 (USD MILLION)
TABLE 93 ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2022–2027 (USD MILLION)
10.4.1 CHINA
10.4.1.1 Advancements in technology fuel the growth of the 3D food printing market
TABLE 94 CHINA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 95 CHINA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.4.2 JAPAN
10.4.2.1 Aging population in the labor force adopts automation techniques such as 3D food printing
FIGURE 46 COUNTRIES WITH THE LARGEST SHARE OF THE POPULATION AGED 65 OR OVER, 2019
TABLE 96 JAPAN: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 97 JAPAN: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.4.3 SOUTH KOREA
10.4.3.1 Evolving landscape in South Korea’s 3D printing to drive the market
TABLE 98 SOUTH KOREA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 99 SOUTH KOREA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.4.4 REST OF ASIA PACIFIC
TABLE 100 REST OF ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD MILLION)
TABLE 101 REST OF ASIA PACIFIC: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD MILLION)
10.5 REST OF THE WORLD (ROW)

TABLE 102 ROW: 3D FOOD PRINTING MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 103 ROW: 3D FOOD PRINTING MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
TABLE 104 ROW: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2018–2021 (USD THOUSAND)
TABLE 105 ROW: 3D FOOD PRINTING MARKET SIZE, BY INGREDIENT, 2022–2027 (USD THOUSAND)
TABLE 106 ROW: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD THOUSAND)
TABLE 107 ROW: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)
TABLE 108 ROW: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2018–2021 (USD THOUSAND)
TABLE 109 ROW: 3D FOOD PRINTING MARKET SIZE, BY TECHNIQUE, 2022–2027 (USD THOUSAND)
10.5.1 SOUTH AMERICA
TABLE 110 SOUTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 111 SOUTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 112 SOUTH AMERICA 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD THOUSAND)
TABLE 113 SOUTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)
10.5.1.1 Brazil
10.5.1.1.1 Brazilian researchers focus on advancing the 3D food printing technology
TABLE 114 BRAZIL: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD THOUSAND)
TABLE 115 BRAZIL: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)
10.5.1.2 Rest of South America
TABLE 116 REST OF SOUTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD THOUSAND)
TABLE 117 REST OF SOUTH AMERICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)
10.5.2 MIDDLE EAST
10.5.2.1 Startups and innovations fuel the growth of the market
TABLE 118 MIDDLE EAST: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL,

+44 20 8123 2220
info@marketpublishers.com

2018–2021 (USD THOUSAND)
TABLE 119 MIDDLE EAST: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)
10.5.3 AFRICA
10.5.3.1 South Africa projected to dominate Africa's 3D food printing market
TABLE 120 AFRICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2018–2021 (USD THOUSAND)
TABLE 121 AFRICA: 3D FOOD PRINTING MARKET SIZE, BY VERTICAL, 2022–2027 (USD THOUSAND)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW
11.2 KEY PLAYER STRATEGIES
TABLE 122 OVERVIEW OF STRATEGIES DEVELOPED BY KEY PLAYERS
11.3 COVID-19-SPECIFIC COMPANY RESPONSE
11.3.1 3D SYSTEMS (US)
11.3.2 TNO (NETHERLANDS)
11.4 RANKING ANALYSIS
FIGURE 47 3D FOOD PRINTING MARKET: COMPANY RANKING ANALYSIS
11.5 COMPANY EVALUATION QUADRANT (KEY PLAYERS)
11.5.1 STARS
11.5.2 EMERGING LEADERS
11.5.3 PERVASIVE PLAYERS
11.5.4 PARTICIPANTS
FIGURE 48 3D FOOD PRINTING MARKET: COMPANY EVALUATION QUADRANT, 2020 (KEY PLAYERS)
11.5.5 PRODUCT FOOTPRINT
TABLE 123 COMPANY BY INGREDIENT FOOTPRINT
TABLE 124 COMPANY BY VERTICLE FOOTPRINT
TABLE 125 COMPANY REGIONAL FOOTPRINT
TABLE 126 OVERALL COMPANY FOOTPRINT
11.5.6 COMPETITIVE BENCHMARKING
TABLE 127 3D FOOD PRINTING MARKET: DETAILED LIST OF KEY MANUFACTURERS
11.6 COMPANY EVALUATION QUADRANT (BIOPRINTING COMPANIES)
11.6.1 PROGRESSIVE COMPANIES
11.6.2 STARTING BLOCKS
11.6.3 RESPONSIVE COMPANIES

+44 20 8123 2220
info@marketpublishers.com

11.6.4 DYNAMIC COMPANIES
FIGURE 49 3D FOOD PRINTING MARKET: COMPANY EVALUATION QUADRANT, 2022 (BIOPRINTING COMPANIES)
11.7 COMPANY EVALUATION QUADRANT (CONFECTIONARY COMPANIES)
11.7.1 PROGRESSIVE COMPANIES
11.7.2 STARTING BLOCKS
11.7.3 RESPONSIVE COMPANIES
11.7.4 DYNAMIC COMPANIES
FIGURE 50 3D FOOD PRINTING MARKET: COMPANY EVALUATION QUADRANT, 2022 (CONFECTIONERY COMPANIES)
11.8 DEALS AND OTHER DEVELOPMENTS
11.8.1 DEALS
TABLE 128 DEALS, 2019–2021

12 COMPANY PROFILES

(Business overview, Products offered, Recent developments & MnM View)*
12.1 3D FOOD PRINTER MANUFACTURERS
12.1.1 BYFLOW
TABLE 129 BYFLOW: BUSINESS OVERVIEW
TABLE 130 BYFLOW: PRODUCTS OFFERED
TABLE 131 BYFLOW DEALS: DEALS, 2019
12.1.2 TNO
TABLE 132 TNO: BUSINESS OVERVIEW
FIGURE 51 TNO: COMPANY SNAPSHOT
TABLE 133 TNO: PRODUCTS OFFERED
12.1.3 NATURAL MACHINES
TABLE 134 NATURAL MACHINES: BUSINESS OVERVIEW
TABLE 135 NATURAL MACHINES: PRODUCTS OFFERED
TABLE 136 NATURAL MACHINES: DEALS, 2019–2021
12.1.4 CHOC EDGE
TABLE 137 CHOC EDGE: BUSINESS OVERVIEW
TABLE 138 CHOC EDGE: PRODUCTS OFFERED
12.1.5 3D SYSTEMS
TABLE 139 3D SYSTEMS: BUSINESS OVERVIEW
FIGURE 52 3D SYSTEMS: COMPANY SNAPSHOT
TABLE 140 3D SYSTEMS: PRODUCTS OFFERED
TABLE 141 3D SYSTEMS: DEALS
12.1.6 SYSTEMS & MATERIALS RESEARCH CORPORATION

+44 20 8123 2220
info@marketpublishers.com

TABLE 142 SYSTEMS & MATERIALS RESEARCH CORPORATION: BUSINESS OVERVIEW
TABLE 143 SYSTEMS & MATERIALS RESEARCH CORPORATION: PRODUCTS OFFERED
12.1.7 PROCUSINI
TABLE 144 PROCUSINI: BUSINESS OVERVIEW
TABLE 145 PROCUSINI: PRODUCTS OFFERED
12.1.8 BEEHEX
TABLE 146 BEEHEX: BUSINESS OVERVIEW
TABLE 147 BEEHEX: PRODUCTS OFFERED
12.1.9 CANDYFAB
TABLE 148 CANDYFAB: BUSINESS OVERVIEW
TABLE 149 CANDYFAB: PRODUCTS OFFERED
12.1.10 ZMORPH
TABLE 150 ZMORPH: BUSINESS OVERVIEW
TABLE 151 ZMORPH: PRODUCTS OFFERED
TABLE 152 ZMORPH: DEALS
12.1.11 MYCUSINI
TABLE 153 MYCUSINI: BUSINESS OVERVIEW
TABLE 154 MYCUSINI: PRODUCTS OFFERED
12.1.12 WIIBOOX
TABLE 155 WIIBOOX: BUSINESS OVERVIEW
TABLE 156 WIIBOOX: PRODUCTS OFFERED
12.1.13 SAVOUREAT LTD
TABLE 157 SAVOUREAT LTD: BUSINESS OVERVIEW
TABLE 158 SAVOUREAT LTD: PRODUCTS OFFERED
TABLE 159 SAVOUREAT LTD: DEALS
12.1.14 3DESSERTS GRAPHIQUES
TABLE 160 3DESSERTS GRAPHIQUES: BUSINESS OVERVIEW
TABLE 161 3DESSERTS GRAPHIQUES: PRODUCTS OFFERED
12.2 3D FOOD PRINTING END USERS
12.2.1 BARILLA
TABLE 162 BARILLA: BUSINESS OVERVIEW
FIGURE 53 BARILLA: COMPANY SNAPSHOT
TABLE 163 BARILLA: PRODUCTS OFFERED
12.2.2 REDEFINE MEAT LTD
TABLE 164 REDEFINE MEAT LTD: BUSINESS OVERVIEW
TABLE 165 REDEFINE MEAT LTD: PRODUCTS OFFERED
12.2.3 THE SUGAR LAB

+44 20 8123 2220
info@marketpublishers.com

TABLE 166 THE SUGAR LAB: BUSINESS OVERVIEW
TABLE 167 THE SUGAR LAB: PRODUCTS OFFERED
12.2.4 NOVAMEAT
TABLE 168 NOVAMEAT: BUSINESS OVERVIEW
TABLE 169 NOVAMEAT: PRODUCTS OFFERED
12.2.5 OPEN MEALS
TABLE 170 OPEN MEALS: BUSINESS OVERVIEW
TABLE 171 OPEN MEALS: PRODUCTS OFFERED
12.2.6 FOOD INK
TABLE 172 FOOD INK: BUSINESS OVERVIEW
TABLE 173 FOOD INK: PRODUCTS OFFERED
*Details on Business overview, Products offered, Recent developments & MnM View might not be captured in case of unlisted companies.

13 ADJACENT AND RELATED MARKETS

13.1 INTRODUCTION
TABLE 174 ADJACENT MARKETS TO 3D FOOD PRINTING
13.2 LIMITATIONS
13.3 INDUSTRIAL 3D PRINTING MARKET
13.3.1 MARKET DEFINITION
13.3.2 MARKET OVERVIEW
TABLE 175 INDUSTRIAL 3D PRINTING MARKET SIZE, BY OFFERING, 2017–2026 (USD MILLION)
13.4 3D PRINTING MARKET
13.4.1 MARKET DEFINITION
13.4.2 MARKET OVERVIEW
TABLE 176 3D PRINTING MARKET SIZE, BY OFFERING, 2017–2026 (USD MILLION)

14 APPENDIX

14.1 DISCUSSION GUIDE
14.2 KNOWLEDGE STORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
14.3 AVAILABLE CUSTOMIZATIONS
14.4 RELATED REPORTS
14.5 AUTHOR DETAILS

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: 3D Food Printing Market by Vertical (Government, Commercial, and Residential), Technique (Extrusion Based Printing, Selective Laser Sintering, Binder Jetting and Inkjet Printing), Ingredient and Geography - Global Forecast to 2027

Product link: https://marketpublishers.com/r/313574193C8EN.html

Price: US$ 4,950.00 (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/313574193C8EN.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

Custumer 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

+44 20 8123 2220
info@marketpublishers.com

and fax the completed form to +44 20 7900 3970