

3D Printing Plastics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-10-15 | 146 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

Market Overview:

The global 3D printing plastics market size reached US\$ 1,006 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3,400 Million by 2028, exhibiting a growth rate (CAGR) of 20.9% during 2023-2028.

Three-dimensional (3D) printing plastics refer to an additive manufacturing procedure that uses various materials, including acrylonitrile butadiene styrene (ABS) filaments, thermoplastics, photopolymers, and polyamide, to develop products. These materials are usually composed of several semi-synthetic and synthetic compounds that are derived from natural sources and petrochemicals. 3D printed plastics are lightweight, malleable, easily sterilizable, biocompatible, and offer enhanced chemical, thermal, and mechanical properties. Apart from this, the procedure assists in easier and faster design iteration or modifications, ensures effective mass customization of products, and provides assembly consolidations. Based on these properties, 3D printing plastics are employed across various industries to prototype, modify, and manufacture tools, components, and accessories in different shapes, sizes, and strengths. At present, they are mainly available in filament, powder, liquid, and ink forms.

3D Printing Plastics Market Trends:

The widespread adoption of 3D printing technology across various sectors to promote the digital manufacturing of products over traditional methodologies, such as injection molding and subtractive composition, is primarily driving the market growth. In line with this, the growing user awareness regarding the multiple benefits of 3D printing plastics, including precision, flexibility, and fuel optimization, has intensified the usage of polycarbonate and ABS materials in the food and beverage (F&B) sector as an effective packaging solution, thus supporting the market growth. Additionally, the extensive uptake of 3D printing plastics in the automotive and aerospace plastics sectors to manufacture several low-volume automobile components, including molds, jigs, fixtures, and grips, at a reduced lead time and production costs is acting as another growth-inducing factor. Moreover, the escalating environmental concerns have prompted manufacturers to introduce bio-based grade plastic printing materials that are

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

derived from different natural sources, including palm oil, starches, and castor seeds, which is favoring the market growth. Apart from this, the rising usage of 3D printing plastics in the healthcare sector to manufacture surgical instruments and orthodontics surgical implants is creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global 3D printing plastics market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, form, application and end user.

Breakup by Type:

- Photopolymers
- ABS and ASA
- Polyamide/Nylon
- Polylactic Acid (PLA)
- Others

Breakup by Form:

- Filament
- Liquid/Ink
- Powder

Breakup by Application:

- Manufacturing
- Prototyping

Breakup by End User:

- Automotive
- Healthcare
- Aerospace and Defense
- Consumer Goods

Breakup by Region:

- North America
- United States
- Canada
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3D Systems Inc., Arkema S.A., BASF SE, CRP Technology srl, EOS GmbH - Electro Optical Systems, Evonik Industries AG, Henkel AG & Co. KGaA, Materialise NV, Shenzhen Esun Industrial Co. Ltd., Solvay S.A., Stratasys Ltd. and Toner Plastics.

Key Questions Answered in This Report:

How has the global 3D printing plastics market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global 3D printing plastics market?
What are the key regional markets?
What is the breakup of the market based on the type?
What is the breakup of the market based on the form?
What is the breakup of the market based on the application?
What is the breakup of the market based on the end user?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global 3D printing plastics market and who are the key players?
What is the degree of competition in the industry?

Table of Contents:

1 Preface
2 Scope and Methodology
2.1 Objectives of the Study
2.2 Stakeholders
2.3 Data Sources
2.3.1 Primary Sources
2.3.2 Secondary Sources
2.4 Market Estimation
2.4.1 Bottom-Up Approach
2.4.2 Top-Down Approach
2.5 Forecasting Methodology
3 Executive Summary
4 Introduction

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.1 Overview
- 4.2 Key Industry Trends
- 5 Global 3D Printing Plastics Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Type
 - 6.1 Photopolymers
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 ABS and ASA
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Polyamide/Nylon
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4 Polylactic Acid (PLA)
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
 - 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 7 Market Breakup by Form
 - 7.1 Filament
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Liquid/Ink
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Powder
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Manufacturing
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Prototyping
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 9 Market Breakup by End User
 - 9.1 Automotive
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
 - 9.2 Healthcare
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.3 Aerospace and Defense
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Consumer Goods
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast
- 10 Market Breakup by Region
 - 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
 - 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
 - 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.3.4.1 Market Trends
- 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast
- 11 SWOT Analysis
 - 11.1 Overview
 - 11.2 Strengths
 - 11.3 Weaknesses
 - 11.4 Opportunities
 - 11.5 Threats
- 12 Value Chain Analysis
- 13 Porters Five Forces Analysis
 - 13.1 Overview
 - 13.2 Bargaining Power of Buyers
 - 13.3 Bargaining Power of Suppliers
 - 13.4 Degree of Competition
 - 13.5 Threat of New Entrants
 - 13.6 Threat of Substitutes
- 14 Price Analysis
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Key Players
 - 15.3 Profiles of Key Players
 - 15.3.1 3D Systems Inc.
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 15.3.1.3 Financials
- 15.3.1.4 SWOT Analysis
- 15.3.2Arkema S.A.
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
- 15.3.3BASF SE
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.3.4 SWOT Analysis
- 15.3.4CRP Technology srl
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
- 15.3.5EOS GmbH - Electro Optical Systems
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 SWOT Analysis
- 15.3.6Evonik Industries AG
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
- 15.3.7Henkel AG & Co. KGaA
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis
- 15.3.8Materialise NV
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
- 15.3.9Shenzhen Esun Industrial Co. Ltd.
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
- 15.3.10Solvay S.A.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11Stratasys Ltd.
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
 - 15.3.11.3 Financials
- 15.3.12Toner Plastics
 - 15.3.12.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

3D Printing Plastics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-10-15 | 146 pages | IMARC Group

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-23"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

