

# **Global Polylactic Acid (PLA) Market for 3D Printing: Focus on User Type (Hobbyist, Education, Industrial), Diameter (1.75 MM and 3 MM), Application (Automotive, Food Packaging, Healthcare, House Hold Items, Others) – Analysis & Forecast, 2018-2028**

<https://marketpublishers.com/r/G25C51868B75EN.html>

Date: April 2019

Pages: 266

Price: US\$ 5,000.00 (Single User License)

ID: G25C51868B75EN

## **Abstracts**

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The introduction of 3D printing technology has not only enhanced the efficiency of designing and production process on a large-scale in various industries, but it also led to more creativity amidst users such as hobbyists and students on a smaller scale. The research study highlights the potential of PLA material in the 3D printing industry and its consumption pattern across different segments. The favorable properties of PLA have given the users the opportunity to explore and innovate their products in multiple end-user industries such as automotive, healthcare, and food packaging. The growth of PLA is attributed to its bio-based origin, reliable properties, and cost-effectiveness as compared to that of the other materials that are used for 3D printing.

The global PLA market for 3D printing is estimated to witness growth at a CAGR of 19.30% over the period of 2018 to 2028. This growth in the market is attributed to the increasing demand from various end-use application verticals such as automotive industry, food packaging industry, healthcare, and household items.

The report is a compilation of different segments of the global polylactic acid market for 3D printing, including market breakdown by user type, diameter type, application, and region. Herein, the revenue generated from the user type (industrial, hobbyist, and education), diameter types (1.75 mm and 3 mm or 2.85 mm), application (automotive,

food packaging, healthcare, household items and others) and regions (North America, Europe, Asia-Pacific, Middle East and Africa, and South America) are tracked to calculate the overall market size in terms of value (\$million). While highlighting the key driving and restraining forces for this market, the report also provides a detailed summary of the global polylactic acid market for 3D printing. It also includes information on the key participants involved in the industry in the relevant sections.

Key questions answered in the report:

What is the global polylactic acid (PLA) market size in terms of value and volume from 2017-2028, and what are the year-on-year growth rates and the CAGR from 2018 to 2028?

What are the different user types that use PLA and their growth pattern in terms of value and volume for the forecast period?

What are the major end-user industries for global PLA for 3D printing market in terms of revenue generation and consumption across different regions and countries?

What is the consumption pattern of PLA for 3D printing market in different diameter range?

Which are the major regions and countries that provide growth opportunities for the PLA market?

What is the competitive strength of the key players in the PLA market on the basis of their recent developments, product offerings, and regional presence?

Who are the key players (with their detailed analysis and profiles including their financials, company snapshots, key products and services, and SWOT analysis) in the market?

The report further includes a thorough analysis of the impact of the Porter's Five Forces Analysis to understand the overall attractiveness of the industry. The most commonly used strategy for developing a better hold on the market has been product launches between the period August 2015 to March 2019. Moreover, the company profile section highlights significant information about the key companies involved along with their

financial positions, key strategies, and developmental activities of recent years.

Further, the report includes an exhaustive region-wise analysis that includes an analysis of North America, Europe, Asia-Pacific (APAC), Middle East & Africa, and South America. Each region details the individual push and pull forces in addition to the information on the key players from that region. This report is a meticulous compilation of research on more than 100 players in the global PLA market and draws upon the insights from in-depth interviews with the key opinion leaders of more than 50 leading companies, market participants, and vendors. The report also profiles approximately 15 suppliers with their financial analysis, SWOT, and product portfolio.

The companies profiled in the report are FUTERRO S.A., NatureWorks LLC, Stratasys Ltd., Synbra Technology bv, Total Corbion PLA, ZHEJIANG HISUN BIOMATERIALS CO., LTD., ColorFabb BV, Fillamentum Manufacturing Czech s.r.o., HATCHBOX 3D, Innofil3D BV, MakerBot Industries, LLC, Polymaker LLC, Shenzhen Esun Industrial Co., Ltd, Torwell Technologies Co., Ltd, and Ultimaker B.V.

## Contents

### EXECUTIVE SUMMARY

### 1 PARENT MARKET ANALYSIS: GLOBAL 3D PRINTING PLASTICS MARKET

#### 1.1 Assumptions and Limitations

##### 1.1.1 Assumptions

##### 1.1.2 Limitations

#### 1.2 Market Overview

### 2 MARKET DYNAMICS

#### 2.1 Market Drivers

##### 2.1.1 Easily Blendable and Recyclable

##### 2.1.2 Ongoing Quest to Decrease GHG Emissions

##### 2.1.3 Biodegradable, Sustainable, Environment Friendly and Non-Toxic Nature

#### 2.2 Market Restraints

##### 2.2.1 Low Melting Point, Low Permeability, and Brittleness of PLA

##### 2.2.2 Slow Degradation Rate

#### 2.3 Market Opportunities

##### 2.3.1 Acceptance of PLA in Different 3D Printing Application

##### 2.3.2 Promote PLA Compounding to Explore New Opportunities

### 3 COMPETITIVE LANDSCAPE

#### 3.1 Key Market Development and Strategies

##### 3.1.1 Product Launches

##### 3.1.2 Partnerships, Collaborations, and Joint Ventures

##### 3.1.3 Business Expansions

##### 3.1.4 Mergers and Acquisitions

##### 3.1.5 Other Key Activities

#### 3.2 Market Share Analysis for PLA Market

#### 3.3 Ranking of Leading PLA Resin Suppliers

### 4 INDUSTRY ANALYSIS

#### 4.1 Supply Chain

#### 4.2 Industry Attractiveness

- 4.2.1 Threat of New Entrants (High)
- 4.2.2 Bargaining Power of Buyers (High)
- 4.2.3 Bargaining Power of Suppliers (Low)
- 4.2.4 Threat of Substitutes (High)
- 4.2.5 Intensity of Competition (High)
- 4.3 Opportunity Matrix Analysis
  - 4.3.1 Opportunity Matrix Analysis (by Region)
- 4.4 Country Share Analysis

## **5 GLOBAL PLA MARKET (BY USER TYPE), ANALYSIS AND FORECAST (2017-2028)**

- 5.1 Market Overview
- 5.2 Industrial
- 5.3 Hobbyist
- 5.4 Education

## **6 GLOBAL PLA MARKET (BY APPLICATION), ANALYSIS AND FORECAST (2017-2028)**

- 6.1 Market Overview
- 6.2 Food Packaging
  - 6.2.1 Food Packaging (by Region), Metric Tons, 2017-2028
  - 6.2.2 Food Packaging (by Region), \$Million, 2017-2028
- 6.3 House Hold Items
  - 6.3.1 House Hold Items (by Region), Metric Tons, 2017-2028
  - 6.3.2 House Hold Items (by Region), \$Thousand, 2017-2028
- 6.4 Healthcare
  - 6.4.1 Healthcare (by Region), Metric Tons, 2017-2028
  - 6.4.2 Healthcare (by Region), \$Thousand, 2017-2028
- 6.5 Automotive
  - 6.5.1 Automotive (by Region), Metric Tons, 2017-2028
  - 6.5.2 Automotive (by Region), \$Thousand, 2017-2028
- 6.6 Others
  - 6.6.1 Others (by Region), Metric Tons, 2017-2028
  - 6.6.2 Others (by Region), \$Thousand, 2017-2028

## **7 GLOBAL PLA MARKET (BY DIAMETER), ANALYSIS AND FORECAST (2017-2028)**

7.1 Market Overview

7.2 1.75 MM

7.3 3 MM or 2.85 MM

## **8 GLOBAL PLA MARKET (BY REGION), ANALYSIS AND FORECAST (2017-2028)**

8.1 Market Overview

8.1.1 Global PLA Market (by Region), Metric Tons, 2017-2028

8.1.2 Global PLA Market (by Region), \$Million, 2017-2028

8.2 North America

8.2.1 North America PLA Market (by Country)

8.2.1.1 U.S.

8.2.1.1.1 U.S. PLA Market (by Application)

8.2.1.2 Canada

8.2.1.2.1 Canada PLA Market (by Application)

8.2.1.3 Mexico

8.2.1.3.1 Mexico PLA Market (by Application)

8.3 Europe

8.3.1 Europe PLA Market (by Country)

8.3.1.1 Germany

8.3.1.1.1 Germany PLA Market (by Application)

8.3.1.2 Netherlands

8.3.1.2.1 Netherlands PLA Market (by Application)

8.3.1.3 U.K.

8.3.1.3.1 U.K. PLA Market (by Application)

8.3.1.4 Italy

8.3.1.4.1 Italy PLA Market (by Application)

8.3.1.5 France

8.3.1.5.1 France PLA Market (by Application)

8.3.1.6 Rest-of-Europe

8.3.1.6.1 Rest-of-Europe PLA Market (by Application)

8.4 Asia-Pacific

8.4.1 Asia-Pacific PLA Market (by Country)

8.4.1.1 China

8.4.1.1.1 China PLA Market (by Application)

8.4.1.2 Japan

8.4.1.2.1 Japan PLA Market (by Application)

8.4.1.3 South Korea

8.4.1.3.1 South Korea PLA Market (by Application)

8.4.1.4 India

8.4.1.4.1 India PLA Market (by Application)

8.4.1.5 Singapore

8.4.1.5.1 Singapore PLA Market (by Application)

8.4.1.6 Australia and New Zealand

8.4.1.6.1 Australia and New Zealand PLA Market (by Application)

8.4.1.7 Rest-of-Asia-Pacific

8.4.1.7.1 Rest-of-Asia-Pacific PLA Market (by Application)

8.5 Middle East and Africa

8.5.1 Middle East and Africa PLA Market (by Country)

8.5.1.1 Israel

8.5.1.1.1 Israel PLA Market (by Application)

8.5.1.2 U.A.E.

8.5.1.2.1 U.A.E PLA Market (by Application)

8.5.1.3 Saudi Arabia

8.5.1.3.1 Saudi Arabia PLA Market (by Application)

8.5.1.4 South Africa

8.5.1.4.1 South Africa PLA Market (by Application)

8.5.1.5 Rest-of-Middle East and Africa

8.5.1.5.1 Rest-of-Middle East and Africa PLA Market (by Application)

8.6 South America

8.6.1 South America PLA Market (by Country)

8.6.1.1 Brazil

8.6.1.1.1 Brazil PLA Market (by Application)

8.6.1.2 Colombia

8.6.1.2.1 Colombia PLA Market (by Application)

8.6.1.3 Argentina

8.6.1.3.1 Argentina PLA Market (by Application)

8.6.1.4 Chile

8.6.1.4.1 Chile PLA Market (by Application)

8.6.1.5 Rest-of-South America

8.6.1.5.1 Rest-of-South America PLA Market (by Application)

## **9 COMPANY PROFILES**

9.1 Overview

Profiles of Filament Producers

9.2 ColorFabb BV

- 9.2.1 Company Overview
- 9.2.2 Role of ColorFabb BV in PLA Market
- 9.2.3 SWOT Analysis
- 9.3 Fillamentum Manufacturing Czech s.r.o.
- 9.3.1 Company Overview
- 9.3.2 Role of Fillamentum Manufacturing Czech s.r.o. in PLA Market
- 9.3.3 SWOT Analysis
- 9.4 HATCHBOX 3D
- 9.4.1 Company Overview
- 9.4.2 Role of HATCHBOX 3D in PLA Market
- 9.4.3 SWOT Analysis
- 9.5 Innofil3D BV
- 9.5.1 Company Overview
- 9.5.2 Role of Innofil3D BV in PLA Market
- 9.5.3 SWOT Analysis
- 9.6 MakerBot Industries, LLC
- 9.6.1 Company Overview
- 9.6.2 Role of MakerBot Industries, LLC in PLA Market
- 9.6.3 SWOT Analysis
- 9.7 Polymaker LLC
- 9.7.1 Company Overview
- 9.7.2 Role of Polymaker LLC in PLA Market
- 9.7.3 SWOT Analysis
- 9.8 Shenzhen Esun Industrial Co., Ltd
- 9.8.1 Company Overview
- 9.8.2 Role of Shenzhen Esun Industrial Co., Ltd in PLA Market
- 9.8.3 SWOT Analysis
- 9.9 Torwell Technologies Co., Ltd
- 9.9.1 Company Overview
- 9.9.2 Role of Torwell Technologies Co., Ltd in PLA Market
- 9.9.3 SWOT Analysis
- 9.10 Ultimaker B.V.
- 9.10.1 Company Overview
- 9.10.2 Role of Ultimaker B.V. in PLA Market
- 9.10.3 SWOT Analysis
- Profiles of PLA Material Producers
- 9.11 FUTERRO S.A.
- 9.11.1 Company Overview
- 9.11.2 Role of FUTERRO S.A. in PLA Market

- 9.11.3 SWOT Analysis
- 9.12 NatureWorks LLC
  - 9.12.1 Company Overview
  - 9.12.2 Role of NatureWorks LLC in PLA Market
  - 9.12.3 SWOT Analysis
- 9.13 Stratasys Ltd.
  - 9.13.1 Company Overview
  - 9.13.2 Role of Stratasys Ltd. in PLA Market
  - 9.13.3 Financials
  - 9.13.4 Key Insights about Financial Health of the Company
  - 9.13.5 SWOT Analysis
- 9.14 Synbra Technology bv
  - 9.14.1 Company Overview
  - 9.14.2 Role of Synbra Technology bv in PLA Market
  - 9.14.3 SWOT Analysis
- 9.15 Total Corbion PLA
  - 9.15.1 Company Overview
  - 9.15.2 Role of Total Corbion PLA in PLA Market
  - 9.15.3 SWOT Analysis
- 9.16 ZHEJIANG HISUN BIOMATERIALS CO., LTD.
  - 9.16.1 Company Overview
  - 9.16.2 Role of ZHEJIANG HISUN BIOMATERIALS CO., LTD. in PLA Market
  - 9.16.3 SWOT Analysis
- 9.17 List of Other Key Players in the PLA Market

## **10 REPORT SCOPE & METHODOLOGY**

- 10.1 Report Scope
- 10.2 Global PLA Market Research Methodology
  - 10.2.1 Assumptions
  - 10.2.2 Limitations
  - 10.2.3 Primary Data Sources
  - 10.2.4 Secondary Data Sources
  - 10.2.5 Data Triangulation
  - 10.2.6 Market Estimation and Forecast

## List Of Tables

### LIST OF TABLES

Table 1.1: Global 3D Printing Plastics Market (by Type), Metric Tons, 2017-2028

Table 1.2: Global 3D Printing Plastics Market (by Type), \$Million, 2017-2028

Table 2.1: Impact Analysis of Drivers

Table 2.2: PLA Filament Blends

Table 2.3: Impact Analysis of Restraints

Table 2.4: Various Applications of PLA and its Blends

Table 3.1: Product Launches (2015-2019)

Table 3.2: Partnerships, Collaborations, and Joint Ventures (2015-2019)

Table 3.3: Key Business Expansion Activities (2015-2019)

Table 3.4: Mergers and Acquisitions (2015-2019)

Table 3.5: Other Key Developments (2015-2019)

Table 4.1: Key factors in Determining “Threat from New Entrants” in PLA Market

Table 4.2: Key Factors in Determining “Bargaining Power of Buyers” in the PLA Market

Table 4.3: Key Factors in Determining “Bargaining Power of Suppliers” in PLA Market

Table 4.4: Analyzing the Threat of Substitutes

Table 4.5: Key Factors in Determining “Rivalry among Existing Firms” in PLA Market

Table 5.1: Global PLA Market (by User Type), Metric Tons, 2017-2028

Table 5.2: Global PLA Market (by User Type), \$Million, 2017-2028

Table 6.1: Global PLA Market (by Application), Metric Tons, 2017-2028

Table 6.2: Global PLA Market (by Application), \$Million, 2017-2028

Table 6.3: Food Packaging (by Region), Metric Tons, 2017-2028

Table 6.4: Food Packaging (by Region), \$Million, 2017-2028

Table 6.5: House Hold Items (by Region), Metric Tons, 2017-2028

Table 6.6: House Hold Items (by Region), \$Thousand, 2017-2028

Table 6.7: Healthcare (by Region), Metric Tons, 2017-2028

Table 6.8: Healthcare (by Region), \$Thousand, 2017-2028

Table 6.9: Automotive (by Region), Metric Tons, 2017-2028

Table 6.10: Automotive (by Region), \$Thousand, 2017-2028

Table 6.11: Others (by Region), Metric Tons, 2017-2028

Table 6.12: Others (by Region), \$Thousand, 2017-2028

Table 7.1: Global PLA Market (by Diameter), Metric Tons, 2017-2028

Table 7.2: Global PLA Market (by Diameter), \$Million, 2017-2028

Table 8.1: Global PLA Market (by Region), Metric Tons, 2017-2028

Table 8.2: Global PLA Market (by Region), \$Million, 2017-2028

Table 8.3: North America PLA Market (by Country), Metric Tons, 2017-2028

Table 8.4: North America PLA Market (by Country), \$Million, 2017-2028
Table 8.5: U.S. PLA Market (by Application), Metric Tons, 2017-2028
Table 8.6: U.S. PLA Market (by Application), \$Million, 2017-2028
Table 8.7: Canada PLA Market (by Application), Metric Tons, 2017-2028
Table 8.8: Canada PLA Market (by Application), \$Thousand, 2017-2028
Table 8.9: Mexico PLA Market (by Application), Metric Tons, 2017-2028
Table 8.10: Mexico PLA Market (by Application), \$Thousand, 2017-2028
Table 8.11: Europe PLA Market (by Country), Metric Tons, 2017-2028
Table 8.12: Europe PLA Market (by Country), \$Million, 2017-2028
Table 8.13: Germany PLA Market (by Application), Metric Tons, 2017-2028
Table 8.14: Germany PLA Market (by Application), \$Thousand, 2017-2028
Table 8.15: Netherlands PLA Market (by Application), Metric Tons, 2017-2028
Table 8.16: Netherlands PLA Market (by Application), \$Thousand, 2017-2028
Table 8.17: U.K. PLA Market (by Application), Metric Tons, 2017-2028
Table 8.18: U.K. PLA Market (by Application), \$Thousand, 2017-2028
Table 8.19: Italy PLA Market (by Application), Metric Tons, 2017-2028
Table 8.20: Italy PLA Market (by Application), \$Thousand, 2017-2028
Table 8.21: France PLA Market (by Application), Metric Tons, 2017-2028
Table 8.22: France PLA Market (by Application), \$Thousand, 2017-2028
Table 8.23: Rest-of-Europe PLA Market (by Application), Metric Tons, 2017-2028
Table 8.24: Rest-of-Europe PLA Market (by Application), \$Thousand, 2017-2028
Table 8.25: Asia-Pacific PLA Market (by Country), Metric Tons, 2017-2028
Table 8.26: Asia-Pacific PLA Market (by Country), \$Thousand, 2017-2028
Table 8.27: China PLA Market (by Application), Metric Tons, 2017-2028
Table 8.28: China PLA Market (by Application), \$Thousand, 2017-2028
Table 8.29: Japan PLA Market (by Application), Metric Tons, 2017-2028
Table 8.30: Japan PLA Market (by Application), \$Thousand, 2017-2028
Table 8.31: South Korea PLA Market (by Application), Metric Tons, 2017-2028
Table 8.32: South Korea PLA Market (by Application), \$Thousand, 2017-2028
Table 8.33: India PLA Market (by Application), Metric Tons, 2017-2028
Table 8.34: India PLA Market (by Application), \$Thousand, 2017-2028
Table 8.35: Singapore PLA Market (by Application), Metric Tons, 2017-2028
Table 8.36: Singapore PLA Market (by Application), \$Thousand, 2017-2028
Table 8.37: Australia and New Zealand PLA Market (by Application), Metric Tons, 2017-2028
Table 8.38: Australia and New Zealand PLA Market (by Application), \$Thousand, 2017-2028
Table 8.39: Rest-of-Asia-Pacific PLA Market (by Application), Metric Tons, 2017-2028
Table 8.40: Rest-of-Asia-Pacific PLA Market (by Application), \$Thousand, 2017-2028

Table 8.41: Middle East and Africa PLA Market (by Country), Metric Tons, 2017-2028

Table 8.42: Middle East and Africa PLA Market (by Country), \$Thousand, 2017-2028

Table 8.43: Israel PLA Market (by Application), Metric Tons, 2017-2028

Table 8.44: Israel PLA Market (by Application), \$Thousand, 2017-2028

Table 8.45: U.A.E PLA Market (by Application), Metric Tons, 2017-2028

Table 8.46: U.A.E. PLA Market (by Application), \$Thousand, 2017-2028

Table 8.47: Saudi Arabia PLA Market (by Application), Metric Tons, 2017-2028

Table 8.48: Saudi Arabia PLA Market (by Application), \$Thousand, 2017-2028

Table 8.49: South Africa PLA Market (by Application), Metric Tons, 2017-2028

Table 8.50: South Africa PLA Market (by Application), \$Thousand, 2017-2028

Table 8.51: Rest-of-Middle East and Africa PLA Market (by Application), Metric Tons, 2017-2028

Table 8.52: Rest-of-Middle East and Africa PLA Market (by Application), \$Thousand, 2017-2028

Table 8.53: South America PLA Market (by Country), Metric Tons, 2017-2028

Table 8.54: South America PLA Market (by Country), \$Thousand, 2017-2028

Table 8.55: Brazil PLA Market (by Application), Metric Tons, 2017-2028

Table 8.56: Brazil PLA Market (by Application), \$Thousand, 2017-2028

Table 8.57: Colombia PLA Market (by Application), Metric Tons, 2017-2028

Table 8.58: Colombia PLA Market (by Application), \$Thousand, 2017-2028

Table 8.59: Argentina PLA Market (by Application), Metric Tons, 2017-2028

Table 8.60: Argentina PLA Market (by Application), \$Thousand, 2017-2028

Table 8.61: Chile PLA Market (by Application), Metric Tons, 2017-2028

Table 8.62: Chile PLA Market (by Application), \$Thousand, 2017-2028

Table 8.63: Rest-of-South America PLA Market (by Application), Metric Tons, 2017-2028

Table 8.64: Rest-of-South America PLA Market (by Application), \$Thousand, 2017-2028

Table 9.1: List of Key PLA Resin and Filament Manufacturers

## List Of Figures

### LIST OF FIGURES

Figure 1: Global PLA Market Overview, 2017-2028

Figure 2: Global PLA Market Snapshot, 2017-2028

Figure 3: Global PLA Market (by User Type), 2017, 2018, and 2028

Figure 4: Global PLA Market Attractiveness Analysis (by Application)

Figure 5: Global PLA Market (by Diameter), \$Million, 2017, 2018, & 2028

Figure 6: Global PLA Market (by Region), 2017

Figure 1.1: Global 3D Printing Plastics Market (by Type)

Figure 1.2: Global 3D Printing Plastics Market (by Type), 2017 and 2028

Figure 1.3: Research Focus

Figure 2.1: Market Dynamics: Global PLA Market

Figure 2.2: A Comparison of Requirement of Fossil Energy Between Petroleum-Based Polymer and PLA

Figure 3.1: Share of Key Market Strategies and Developments, 2015-2019

Figure 3.2: Global PLA Market Share Analysis 2017

Figure 4.1: Global PLA Market Supply Chain

Figure 4.2: Porters Five Forces Analysis

Figure 4.3: Global PLA Market Opportunity Matrix (by Region), \$Million, 2018-2028

Figure 4.4: Country Share Analysis of Global PLA Market, 2017

Figure 5.1: Global PLA Market (by User Type Industries)

Figure 5.2: Global PLA Market (by User Type), Metric Tons, 2017, 2018 and 2028

Figure 5.3: Global PLA Market (by User Type), \$Million, 2017, 2018 and 2028

Figure 5.4: Industrial in Global PLA Market (by User Type), \$Million and Kilotons, 2017-2028

Figure 5.5: Hobbyist in Global PLA Market (by User Type), \$Million and Metric Tons, 2017-2028

Figure 5.6: Education in Global PLA Market (by User Type), \$Million and Metric Tons, 2017-2028

Figure 6.1: Global PLA Market (by Application)

Figure 6.2: Food Packaging in Global PLA Market (by Application), \$Million and Metric Tons, 2017-2028

Figure 6.3: House Hold Items in Global PLA Market (by Application), \$Million and Metric Tons, 2017-2028

Figure 6.4: Healthcare in Global PLA Market, \$Million and Metric Tons, 2017-2028,

Figure 6.5: Automotive in Global PLA Market (by Application), \$Million and Metric Tons, 2017-2028,

Figure 6.6: Others in Global PLA Market (by Application), \$Million and Metric Tons, 2017-2028,

Figure 7.1: Global PLA Market (by Diameter)

Figure 7.2: Global PLA Market (by Diameter), Metric Tons, 2017, 2018 and 2028

Figure 7.3: Global PLA Market (by Diameter), \$Million, 2017, 2018 and 2028

Figure 7.4: 1.75 MM in Global PLA Market (by Diameter), \$Million and Metric Tons, 2017-2028

Figure 7.5: 3 MM or 2.85 MM in Global PLA Market (by Diameter), \$Million and Metric Tons, 2017-2028

Figure 8.1: Global PLA Market – Regional Segmentation

Figure 8.2: Global PLA Market (by Region), 2017 and 2028

Figure 8.3: North America PLA Market (by Country), Metric Tons, 2017, 2018 and 2028

Figure 8.4: North America PLA Market (by Country), \$Million, 2017, 2018 and 2028

Figure 8.5: U.S. PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.6: Canada PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.7: Mexico PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.8: Europe PLA Market (by Country), Metric Tons, 2017, 2018 and 2028

Figure 8.9: Europe PLA Market (by Country), \$Million, 2017, 2018 and 2028

Figure 8.10: Germany PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.11: Netherlands PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.12: U.K. PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.13: Italy PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.14: France PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.15: Rest-of-Europe PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.16: Asia-Pacific PLA Market (by Country), Metric Tons, 2017, 2018 and 2028

Figure 8.17: Asia-Pacific PLA Market (by Country), \$Thousand, 2017, 2018 and 2028

Figure 8.18: China PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.19: Japan PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.20: South Korea PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.21: India PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.22: Singapore PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.23: Australia and New Zealand PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.24: Rest-of-Asia-Pacific PLA Market, \$Million and Metric Tons, 2017-2028

Figure 8.25: Middle East and Africa PLA Market (by Country), Metric Tons, 2017, 2018 and 2028

Figure 8.26: Middle East and Africa PLA Market (by Country), \$Thousand, 2017, 2018 and 2028

Figure 8.27: Israel PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.28: U.A.E PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.29: Saudi Arabia PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.30: South Africa PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.31: Rest-of-Middle East and Africa PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.32: South America PLA Market (by Country), Metric Tons, 2017, 2018 and 2028

Figure 8.33: South America PLA Market (by Country), \$Thousand, 2017, 2018 and 2028

Figure 8.34: Brazil PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.35: Colombia PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.36: Argentina PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.37: Chile PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 8.38: Rest-of-South America PLA Market, \$Thousand and Metric Tons, 2017-2028

Figure 9.1: Share of Key Companies (by Ownership Type)

Figure 9.2: ColorFabb BV: Overall Product Portfolio

Figure 9.3: ColorFabb BV: SWOT Analysis

Figure 9.4: Fillamentum Manufacturing Czech s.r.o.: Overall product portfolio

Figure 9.5: Fillamentum Manufacturing Czech s.r.o.: SWOT Analysis

Figure 9.6: HATCHBOX 3D: Overall product portfolio

Figure 9.7: HATCHBOX 3D: SWOT Analysis

Figure 9.8: Innofil3D BV: Overall product portfolio

Figure 9.9: Innofil3D BV: SWOT Analysis

Figure 9.10: MakerBot Industries, LLC: Overall product portfolio

Figure 9.11: MakerBot Industries, LLC: SWOT Analysis

Figure 9.12: Polymaker LLC: Overall product portfolio

Figure 9.13: Polymaker LLC: SWOT Analysis

Figure 9.14: Shenzhen Esun Industrial Co., Ltd: Overall Product Portfolio

Figure 9.15: Shenzhen Esun Industrial Co., Ltd: SWOT Analysis

Figure 9.16: Torwell Technologies Co., Ltd: Overall product portfolio

Figure 9.17: Torwell Technologies Co., Ltd: SWOT Analysis

Figure 9.18: Ultimaker B.V.: Overall product portfolio

Figure 9.19: Ultimaker B.V.: SWOT Analysis

Figure 9.20: FUTERRO S.A.: Overall product portfolio

Figure 9.21: FUTERRO S.A.: SWOT Analysis

Figure 9.22: NatureWorks LLC: Overall product portfolio

Figure 9.23: NatureWorks LLC: SWOT Analysis

Figure 9.24: Stratasys Ltd.: Product Portfolio for PLA Market

- Figure 9.25: Stratasys Ltd.: Overall Financials, 2016-2018
- Figure 9.26: Stratasys Ltd.: Net Revenue (by Region), 2016-2018
- Figure 9.27: Stratasys Ltd.: Net Revenue by Business Segment, 2016-2018
- Figure 9.28: Stratasys Ltd.: R&D Expenditure, 2016-2018
- Figure 9.29: Stratasys Ltd.: SWOT Analysis
- Figure 9.30: Synbra Technology bv: Overall product portfolio
- Figure 9.31: Synbra Technology bv: SWOT Analysis
- Figure 9.32: Total Corbion PLA: Overall product portfolio
- Figure 9.33: Total Corbion PLA: SWOT Analysis
- Figure 9.34: ZHEJIANG HISUN BIOMATERIALS CO.,LTD.: Overall Product Portfolio
- Figure 9.35: ZHEJIANG HISUN BIOMATERIALS CO., LTD.: SWOT Analysis
- Figure 10.1: Global PLA Market Coverage
- Figure 10.2: Segmentations for Market Estimation in the Global PLA Market
- Figure 10.3: Report Design
- Figure 10.4: Primary Interviews (by Player, Designation, and Region)
- Figure 10.5: Data Triangulation
- Figure 10.6: Top-Down & Bottom-Up Approach

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