

# **Rapid Liquid Printing Market by Offering (Printers, Services, Materials, Software), Application (Prototyping, Functional Part/End-Use Manufacturing, Tooling), Vertical (Consumer Products, Fashion), and Region - Global Forecast to 2027**

<https://marketpublishers.com/r/R558E637554EEN.html>

Date: September 2020

Pages: 134

Price: US\$ 4,950.00 (Single User License)

ID: R558E637554EEN

## **Abstracts**

“Rapid liquid printing market to grow at a CAGR of 55.6% from 2023 to 2027”

The global rapid liquid printing market size is likely to exhibit significant growth in the coming years. It is expected to reach USD 284 million by 2027 at a CAGR of 55.6% from 2023 to 2027. The key factors driving the growth of the rapid liquid printing market are fastest printing among all 3D printing technologies, ability to print using industrial-grade materials, and ease of development of customized products.

“Market for printers to account for largest market share during forecast period”

The printers segment is expected to continue to hold the largest market size during the forecast period. The rapid liquid printing market is segmented on the basis of printers into desktop and industrial printers. These printers can be used for personal, professional, and production purposes. The growth of printers segment can be attributed to the expected adoption of rapid liquid printers to produce end-use parts. Following the pandemic of COVID-19, the market for rapid liquid printing is expected to push forward to 2023, which, in a positive situation, would have been in the year 2022.

“Market for functional/end-use part manufacturing to grow at the highest rate during forecast period”

The functional/end-use part manufacturing segment is expected to record a higher

CAGR during the forecast period. The capability of rapid liquid printers to print using industrial-grade materials is expected to drive its potential growth in the adoption of this technology for the production of end parts. The current pandemic of COVID-19 has influenced several companies in healthcare, aerospace & defense, and utility verticals to conduct research for developing new and innovative products to meet the recent change of demands. It is expected with the current scenario that in a positive situation, the global market will be back to normal, and companies will be investing in the development of prototypes and end-use products using rapid liquid printing technology.

“Consumer products vertical to hold largest size during forecast period”

The consumer products vertical is expected to hold the largest market size during the forecast period. The growth of this segment is driven by the demand for furniture and home decor items. The rapid liquid printing technology is currently in its R&D phase; the patent for this technology is pending with the US government. Based on the current investments by various companies and collaborations of research institutes, the technology is not expected to commercialize across verticals all at once.

“North America is expected to capture largest market size during forecast period”

The North American region is expected to hold the largest share of the rapid liquid printing market during the forecast period. The US and Canada are expected to be the largest consumers of rapid liquid printers in North America. The flourishing aerospace & defense industry in this region, along with the high consumption habit of US citizens, contributes to the demand for 3D printing technologies. 3D printing technologies, such as rapid liquid printing, are the fastest technique of production; thus, they are expected to hold the largest share in the North American region. The US imports several consumer products and OEM parts, which find their way into various industries, from China and other countries in the APAC region. Following the recent COVID-19 pandemic, the supply chain has been disrupted heavily, and huge reforms are expected with regard to export and import policies of the US. This disruption in the supply chain is expected to be overcome by the in-house manufacturing of essential items. Rapid liquid printing has the capability to manufacture industrial-grade objects at a speed that is 300 times faster than any other 3D printing technologies. These factors are expected to drive the market for rapid liquid printing from 2023 to 2027 in a positive scenario, where the market would bounce back to a normal state in 2022.

The break-up of the profiles of primary participants for the report has been given below:

*Rapid Liquid Printing Market by Offering (Printers, Services, Materials, Software), Application (Prototyping,...*

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

By Designation: C-Level Executives = 45%, Directors = 35%, and Others= 20%

By Region: North America = 30%, Europe = 25%, APAC = 35%, and RoW = 10%

Major players operating in the rapid liquid printing market include Steelcase (US), Stratasys (US), 3D Systems (US), Materilise (Belgium), ExOne (US), EOS (Germany), Dassault Systemes (France), Autodesk (US), Native Canada Footwear (Canada), and BMW (Germany).

#### Research Coverage:

The research report on the global rapid liquid printing market covers the market based on offering, application, vertical, and geography. Based on offering, the market has been segmented into printers, materials, services, and software. The application segment has been further segmented into prototyping, functional/end-use part manufacturing, and tooling. Based on the vertical, the rapid liquid printing market has been segmented into consumer products, fashion, automotive, healthcare, aerospace & defense, utility, construction, and others. The report covers four major regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

#### Key Benefits of Buying the Report:

This report segments the rapid liquid printing market comprehensively and provides the closest approximations of the overall market size, as well as that of the subsegments across different offerings, applications, verticals, and regions.

The report helps stakeholders understand the pulse of the market and provides information on key market drivers, restraints, challenges, and opportunities.

The report helps to understand the COVID-19 impact on the rapid liquid printing market

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2023–2027 (USD MILLION)

TABLE 92 EUROPE: RAPID LIQUID PRINTING MARKET, BY VERTICAL, 2023–2027  
(USD MILLION)

#### 9.4 APAC

FIGURE 41 APAC: RAPID LIQUID PRINTING MARKET SNAPSHOT

##### 9.4.1 CHINA

9.4.1.1 China to hold the largest share of the rapid liquid printing market in APAC from 2023 to 2027

##### 9.4.2 JAPAN

9.4.2.1 Increasing government investments in 3D printing technologies are among the major factors driving the market growth in Japan

##### 9.4.3 SOUTH KOREA

9.4.3.1 Strong initiatives by the government expected to lead to noticeable growth of the rapid liquid printing market in South Korea

##### 9.4.4 INDIA

9.4.4.1 3D printing technologies in India are still in the developing stage and would grow at a rapid rate during the forecast period

##### 9.4.5 REST OF APAC (ROAPAC)

TABLE 93 APAC: RAPID LIQUID PRINTING MARKET, BY COUNTRY, 2023–2027  
(USD MILLION)

TABLE 94 APAC: RAPID LIQUID PRINTING MARKET, BY OFFERING, 2023–2027  
(USD MILLION)

TABLE 95 APAC: RAPID LIQUID PRINTING MARKET, BY APPLICATION, 2023–2027  
(USD MILLION)

TABLE 96 APAC: RAPID LIQUID PRINTING MARKET, BY VERTICAL, 2023–2027  
(USD MILLION)

#### 9.5 ROW

FIGURE 42 ROW: RAPID LIQUID PRINTING MARKET SNAPSHOT

##### 9.5.1 MIDDLE EAST & AFRICA

9.5.1.1 Investments in the construction vertical expected to fuel growth

##### 9.5.2 SOUTH AMERICA

9.5.2.1 South America expected to grow at a slower pace compared to other regions in RoW

TABLE 97 ROW: RAPID LIQUID PRINTING MARKET, BY REGION, 2023–2027 (USD



MILLION)

TABLE 98 ROW: RAPID LIQUID PRINTING MARKET, BY OFFERING, 2023–2027  
(USD THOUSAND)

TABLE 99 ROW: RAPID LIQUID PRINTING MARKET, BY APPLICATION, 2023–2027  
(USD MILLION)

TABLE 100 ROW: RAPID LIQUID PRINTING MARKET, BY VERTICAL, 2023–2027  
(USD THOUSAND)

## **10 COMPETITIVE LANDSCAPE**

10.1 OVERVIEW

10.2 MARKET SHARE ANALYSIS FOR RAPID LIQUID PRINTING PLAYERS

FIGURE 43 MARKET SHARE: RAPID LIQUID PRINTING MARKET (2023)

## **11 COMPANY PROFILES**

11.1 KEY PLAYERS

(Business Overview, SWOT Analysis, MnM View)\*

11.1.1 STEELCASE

FIGURE 44 STEELCASE: COMPANY SNAPSHOT

11.1.2 STRATASYS

FIGURE 45 STRATASYS: COMPANY SNAPSHOT

11.1.3 3D SYSTEMS

FIGURE 46 3D SYSTEMS: COMPANY SNAPSHOT

11.1.4 MATERIALISE

FIGURE 47 MATERIALISE: COMPANY SNAPSHOT

11.1.5 EXONE

FIGURE 48 EXONE: COMPANY SNAPSHOT

11.1.6 EOS

11.1.7 DASSAULT SYSTEMES

FIGURE 49 DASSAULT SYSTEMES: COMPANY SNAPSHOT

11.1.8 AUTODESK

FIGURE 50 AUTODESK: COMPANY SNAPSHOT

11.1.9 NATIVE CANADA FOOTWEAR

11.1.10 BMW

FIGURE 51 BMW: COMPANY SNAPSHOT

\*Details on Business Overview, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

## **12 APPENDIX**

12.1 INSIGHTS OF INDUSTRY EXPERTS

12.2 DISCUSSION GUIDE

12.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

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