

# **3D Stacking Market Size and Forecast (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Interconnecting Technology (Through-Silicon Via, Monolithic 3D Integration, and 3D Hybrid Bonding), Device Type (Memory Devices, MEMS/Sensors, LEDs, Imaging & Optoelectronics, and Others), End User (Consumer Electronics, Telecommunication, Automotive, Manufacturing, Healthcare, and Others), and Geography (North America, Europe, Asia Pacific, Middle East & Africa, and South & Central America)**

<https://marketpublishers.com/r/3B98EDE792F8EN.html>

Date: March 2024

Pages: 150

Price: US\$ 5,190.00 (Single User License)

ID: 3B98EDE792F8EN

## **Abstracts**

The global 3D stacking market was valued at US\$ 1.81 billion in 2022 and is expected to reach US\$ 5.93 billion by 2030; it is projected to register a CAGR of 16.0% from 2022 to 2030. The 3D stacking market report emphasizes the key factors driving the market and showcases the developments of prominent players.

The Asia Pacific 3D stacking market has gained prominence owing to the presence of well-established manufacturing facilities of renowned companies—such as Taiwan Semiconductor Manufacturing Company Limited and Samsung Semiconductor, Inc.—in the region. Moreover, countries such as China, Taiwan, South Korea, and Japan are global manufacturing hubs for semiconductors and electronic components. The demand for smaller, more powerful, and energy-efficient devices, such as smartphones, tablets, and wearables, drives the adoption of 3D stacking technologies in this industry.

Asia Pacific has witnessed remarkable growth in the industrial applications of 3D stacking technologies. Industries such as aerospace, automotive, and healthcare are increasingly utilizing 3D stacking for various purposes. For instance, in the aerospace industry, the demand for lightweight aircraft components has led to the widespread adoption of additive manufacturing, which includes 3D stacking techniques. Thus, the growing application of 3D stacking in the aerospace industry is anticipated to be one of the key 3D stacking market trends in the region.

Taiwan Semiconductor Manufacturing Company Limited; Intel Corporation; Advanced Micro Devices; NXP Semiconductors; Broadcom Inc.; ASE Technology; Texas Instruments Incorporated; MediaTek Inc., Amkor Technology; and Samsung Semiconductor, Inc. are a few players profiled in the 3D stacking market report. The market players focus on new product launches, expansion and diversification, and acquisition, which allow them to access prevailing business opportunities.

The overall 3D stacking market analysis has been derived using both primary and secondary sources. To begin the 3D stacking market research process, exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the 3D stacking market. The process also serves the purpose of obtaining an overview and market forecast for the 3D stacking market growth with respect to all market segments. Also, multiple primary interviews have been conducted with industry participants and commentators to validate the data and gain more analytical insights about the topic. Participants of this process include industry experts such as VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants such as valuation experts, research analysts, and key opinion leaders—specializing in the 3D stacking market forecast.

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