

3D ICs Market, Global Outlook and Forecast 2022-2028

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Abstracts

3D IC is an integrated circuit manufactured by stacking silicon wafers or dies and interconnecting them vertically using, for instance, through-silicon vias (TSVs) or Cu-Cu connections, so that they behave as a single device to achieve performance improvements at reduced power and smaller footprint than conventional two dimensional processes. 3D IC is just one of a host of 3D integration schemes that exploit the z-direction to achieve electrical performance benefits.

This report contains market size and forecasts of 3D ICs in Global, including the following market information:

Global 3D ICs Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global 3D ICs market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

3D SiCs Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of 3D ICs include Xilinx, Advanced Semiconductor Engineering (ASE), Samsung, STMicroelectronics, Taiwan Semiconductors Manufacturing (TSMC), Toshiba, EV Group and Tessera, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the 3D ICs companies, and

industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global 3D ICs Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global 3D ICs Market Segment Percentages, by Type, 2021 (%)

3D SiCs

Monolithic 3D ICs

Global 3D ICs Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global 3D ICs Market Segment Percentages, by Application, 2021 (%)

Automotive

Smart Technologies

Robotics

Electronics

Medical

Industrial

Global 3D ICs Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global 3D ICs Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies 3D ICs revenues in global market, 2017-2022 (estimated), (\$ millions)

Key companies 3D ICs revenues share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Xilinx

Advanced Semiconductor Engineering (ASE)

Samsung

STMicroelectronics

Taiwan Semiconductors Manufacturing (TSMC)

Toshiba

EV Group

Tessera

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