

3D TSV and 2.5D Market, Global Outlook and Forecast 2022-2028

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Abstracts

3D TSV or silicon through-hole technology is one of the important technologies used in the semiconductor industry. A silicon through-hole is an electrical connection that passes vertically through a stack of silicon wafers or chips. 3D TSV replaces 2D packaging techniques such as lead bonding and flip chip. It is widely used to improve non-memory and CMOS logic functions and memory in electronic devices such as tablets, smartphones and televisions. TSV is an enhanced performance interconnection, made of a columnar structure of silicon, copper, tungsten or polysilicon, that can be electrically interlinked via silicon chips or wafers. In the 2.5d structure, the bare sheet is not assembled on the bare sheet.

This report contains market size and forecasts of 3D TSV and 2.5D in Global, including the following market information:

Global 3D TSV and 2.5D Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global 3D TSV and 2.5D 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.

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

The global key manufacturers of 3D TSV and 2.5D include Toshiba, Taiwan

Semiconductor, Samsung Electronics, Pure Storage, ASE Group, Amkor Technology, United Microelectronics, STMicroelectronics and Broadcom, 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 TSV and 2.5D 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 TSV and 2.5D Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global 3D TSV and 2.5D Market Segment Percentages, by Type, 2021 (%)

Memory

MEMS

CMOS Image Sensors

Imaging and Optoelectronics

Advanced LED Packaging

Others

Global 3D TSV and 2.5D Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global 3D TSV and 2.5D Market Segment Percentages, by Application, 2021 (%)

Consumer Electronics

Information and Communication Technology

Automotive

Military

Aerospace and Defense

Other

Global 3D TSV and 2.5D Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global 3D TSV and 2.5D 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 TSV and 2.5D revenues in global market, 2017-2022 (estimated), (\$

millions)

Key companies 3D TSV and 2.5D revenues share in global market, 2021 (%)

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

Toshiba

Taiwan Semiconductor

Samsung Electronics

Pure Storage

ASE Group

Amkor Technology

United Microelectronics

STMicroelectronics

Broadcom

Intel Corporation

Jiangsu Changing Electronics Technology

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