

Global 3D NAND Flash Memory Market Research Report with Opportunities and Strategies to Boost Growth- COVID-19 Impact and Recovery

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Abstracts

3D NAND Flash is a type of flash memory which involves stacking memory cells on top of each other to provide a higher capacity/volume ratio in a smaller physical space. It maximizes electrical efficiency by shortening the interconnect length between cells. Samsung's 3D V-NAND was the first ever manufactured 3D NAND flash memory chip. The vertically stacked cell layers make use of charge trap flash (CTF) technology which enables it to offer memory of upto 128 GB on a chip. It has twice the write performance, twice the scalability and ten times the reliability of 2D, or planar NAND, which consequently improves the performance and stability of laptops, smart phones and tablets. 3D NAND chips are also used in Solid State Drives (SSDs) as they possess the characteristic of retaining data without power supply. The manufacturing process of 3D NAND is less complicated than that of alternative technologies, like RRAM, since it requires the same materials used to produce NAND, while FRAM, MRAM and RRAM and others require new materials that are not well explored and understood. Additionally, they are incorporated in a wide range of consumer electronic products and enterprise applications.

Based on the 3D NAND Flash Memory market development status, competitive landscape and development model in different regions of the world, this report is dedicated to providing niche markets, potential risks and comprehensive competitive strategy analysis in different fields. From the competitive advantages of different types of products and services, the development opportunities and consumption characteristics and structure analysis of the downstream application fields are all analyzed in detail. To Boost Growth during the epidemic era, this report analyzes in detail for the potential risks and opportunities which can be focused on.

In Chapter 2.4 of the report, we share our perspectives for the impact of COVID-19 from

the long and short term.

In chapter 3.4, we provide the influence of the crisis on the industry chain, especially for marketing channels.

In chapters 8-13, we update the timely industry economic revitalization plan of the country-wise government.

Key players in the global 3D NAND Flash Memory market covered in Chapter 5:

Samsung Electronics
Microsemi Corporation
Sandforce
St Microelectronics
Advanced Micro Devices
Intel Corporation
Silicon Storage Technology
Greenliant Systems
Toshiba Corporation
Sandisk Corporation
Silicon Motion
SK Hynix Semiconductor
Micron Technology

In Chapter 6, on the basis of types, the 3D NAND Flash Memory market from 2015 to 2025 is primarily split into:

Single-level cell (SLC)
Multi-level cell (MLC)
Triple-level cell (TLC)

In Chapter 7, on the basis of applications, the 3D NAND Flash Memory market from 2015 to 2025 covers:

Consumer electronics
Medical equipment
Automotive
Others

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 8-13:

North America (Covered in Chapter 9)
United States

Canada
Mexico
Europe (Covered in Chapter 10)
Germany
UK
France
Italy
Spain
Russia
Others
Asia-Pacific (Covered in Chapter 11)
China
Japan
South Korea
Australia
India
South America (Covered in Chapter 12)
Brazil
Argentina
Columbia
Middle East and Africa (Covered in Chapter 13)
UAE
Egypt
South Africa

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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