

COVID-19 Outbreak-Global 3D NAND Flash Memory Industry Market Report-Development Trends, Threats, Opportunities and Competitive Landscape in 2020

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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.

The 3D NAND Flash Memory market revenue was xx.xx Million USD in 2019, and will reach xx.xx Million USD in 2025, with a CAGR of x.x% during 2020-2025.

Under COVID-19 outbreak globally, this report provides 360 degrees of analysis from supply chain, import and export control to regional government policy and future influence on the industry. Detailed analysis about market status (2015-2020), enterprise competition pattern, advantages and disadvantages of enterprise products, industry development trends (2020-2025), regional industrial layout characteristics and macroeconomic policies, industrial policy has also been included. From raw materials to end users of this industry are analyzed scientifically, the trends of product circulation

and sales channel will be presented as well. Considering COVID-19, this report provides comprehensive and in-depth analysis on how the epidemic push this industry transformation and reform.

In COVID-19 outbreak, Chapter 2.2 of this report provides an analysis of the impact of COVID-19 on the global economy and the 3D NAND Flash Memory industry.

Chapter 3.7 covers the analysis of the impact of COVID-19 from the perspective of the industry chain.

In addition, chapters 7-11 consider the impact of COVID-19 on the regional economy.

The 3D NAND Flash Memory market can be split based on product types, major applications, and important countries as follows:

Key players in the global 3D NAND Flash Memory market covered in Chapter 12:

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

In Chapter 4 and 14.1, 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 5 and 14.2, 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 6, 7, 8, 9, 10, 11, 14:

North America (Covered in Chapter 7 and 14)

United States

Canada

Mexico

Europe (Covered in Chapter 8 and 14)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 9 and 14)

China

Japan

South Korea

Australia

India

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 10 and 14)

Saudi Arabia

UAE

Egypt

Nigeria

South Africa

Others

South America (Covered in Chapter 11 and 14)

Brazil

Argentina

Columbia

Chile

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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