

Government Policies Supporting the growth of FinFET Market

FinFETs being intensely fast and power efficient, can be used in all kinds of devices that use microprocessors.

HYDERABAD, TELANGANA, INDIA, September 4, 2018 /EINPresswire.com/ -- There has been an increasing demand for high performance devices such as Mobile phones, tablets, and computers which require well designed processors to result in high performance. All these devices have [FinFET](#) (Fin Field effect Technology) transistors embedded in them to improve the performance of processor which in turn result in high performance of devices. This market comprises diversified international and local vendors whereas the international traders dominate the regional vendors in terms of quality, innovation and M&A extension than local vendors.

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Although FinFETs offer many advantages, they are very difficult to design. Since FinFETs are 3D modelled transistors they are very complex to design for generating compact SPICE (Simulated Program with Integrated Circuit Emphasis) models while FETs with planar transistors are easy to design. Although designers are aware of the aforesaid difficulties, there are still other challenges for the designers who wants to use FinFET technology.

There are drivers that drive this market irrespective of the challenges that distract it. The primary driver being strategic collaboration and M&A activities which help to innovate in bringing more FinFet technology products into market. These collaborations, mergers and acquisitions allow the businesses to gain access to new technology and innovation which leads to the development of new products.

The secondary driver driving this market is the increasing demand for high performance chips that control the current leakage and the use of FinFET technology in smart phones is expected to fuel the growth of FinFETS.

The third driver being enhanced government policies and new regulations that has let the market innovate more in consumer electronics technology by gaining the trust of investors who come forward to spend adequate amount.

There are also many opportunities for the FinFET market to grow. Those opportunities can be captured by introducing more FinFET based technology enabled products and selling them across the globe. However long-term growth opportunities for this market can be identified by assuring the process improvement and financial flexibility to invest in excellent strategies to let the market grow.

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FinFETs being intensely fast and power efficient, can be used in all kinds of devices that use microprocessors. As these have capacity to bring down voltages and perform better than normal FETs, FinFETS will soon replace the planar FETs. This will highly change the smart devices market which use FinFETs. This clearly indicates increasing growth rate of market in the near future with

various investors willing to invest in the field. This will also let the local markets to contribute in the profit share, as this a globally known industry.

Finfet market is segmented as indicated below:

1. FINFET TECHNOLOGY MARKET – BY TYPE

- 1.1. Shorted Gate(SG)
- 1.2. Independent Gate(IG)
- 1.3. Bulk FinFETS
- 1.4. SOI FinFETS

2. FINFET TECHNOLOGY MARKET – BY TECHNOLOGY

- 2.1. 22nm
- 2.2. 20nm
- 2.3. 16nm
- 2.4. 14nm
- 2.5. 10nm
- 2.6. 7nm
- 2.7. 15nm

3. FINFET TECHNOLOGY MARKET – BY PRODUCT

- 3.1. CPU (Central Processing Unit)
- 3.2. SoC (System-on-Chip)
- 3.3. FPGA (Field-Programmable Gate Array)
- 3.4. GPU (Graphics Processing Unit)
- 3.5. MCU (Micro Controller Unit)
- 3.6. Network Processor

4. FINFET TECHNOLOGY MARKET BY END USERS

- 4.1. Consumer Electronics
 - 4.1.1. Smart Phones
 - 4.1.2. Computers and Tablets
 - 4.1.3. Wearable
 - 4.1.4. Television
- 4.2. High End Networks
- 4.3. Automotive
- 4.4. Others

5. FINFET Technology market – By Market Entropy

6. FINFET Technology market – By Geography

Companies Cited/Interviewed/Referenced

Intel
TSMC
Samsung
Global Foundries
Company 10+

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What can you expect from the report?

The FinFET Technology Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in FinFET Technology Market?
Response: Yes, we do have separate reports and database as mentioned below:

1. North America FinFET Technology Market (2018-2023)
2. South America FinFET Technology Market (2018-2023)
3. Europe FinFET Technology Market (2018-2023)
4. Asia Pacific FinFET Technology Market (2018-2023)
5. Middle East and Africa FinFET Technology Market (2018-2023)
6. SoC (System-on-Chip) in FinFET Technology Market (2018-2023)
7. Shorted Gate(SG) FinFET Technology Market (2018-2023)
8. 16nm FinFET Technology Market (2018-2023)
9. Wearable FinFET Technology Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

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3. Find out market shares for other smaller companies or companies which are of interest to you.
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5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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