

Market Report Catalog

Electronics Devices

March 2018



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Table of Contents

<i>Ribbon Fiber Optic Cable Market to 2025 - Global Analysis and Forecasts by Types (Single Mode and Multi-Mode), by Cable Types (Gel Filled and Dry) and Application (FTTx, LAN, WAN, and Others).....</i>	<i>1</i>
<i>Global Piezoelectric Sensor Market Research Report 2018.....</i>	<i>1</i>
<i>Global Glass Wafers Industry Production, Sales and Consumption Status and Prospects Professional Market Research Report 2018-2025.....</i>	<i>2</i>
<i>Global DBC Ceramic Substrate Market Professional Survey Report 2018.....</i>	<i>2</i>
<i>Video Measuring System Market by Product Type (Manual, Semi-Automated, Automated), Application (Automotive, Aerospace & Defense, Heavy Machinery, Energy & Power, Electronics, Medical), Offering, And Geography - Global Forecast to 2023.....</i>	<i>3</i>
<i>2018 Market Research Report on Global Heat Sinks Industry</i>	<i>4</i>
<i>Acoustic Microscopy Market by Offering (Microscopes, Accessories & Software, Services), Application (Non-Destructive Testing, Quality Control, Failure Analysis), Industry (Semiconductor, Life Science), and Geography - Global Forecast to 2023</i>	<i>5</i>
<i>Electroactive Polymer Market by Type (Conductive Plastic, Inherently Conductive Polymer, Inherently Dissipative Polymer), Application (ESD Protection, EMI Shielding, Actuators, Capacitors, Batteries, Sensors), and Region - Global Forecast to 2022</i>	<i>6</i>
<i>Weigh in Motion Market by Component (Hardware (Sensor and Controller), Software & Services), Application (Axle Counting, Weigh Enforcement, Weight-Based Toll Collection, Vehicle Profiling, Traffic Data Collection), and Geography - Global Forecast to 2023</i>	<i>6</i>
<i>Electronic Products Manufacturing Global Market Report 2018.....</i>	<i>7</i>
<i>Automotive Lighting Global Market Report 2018.....</i>	<i>7</i>
<i>Global Wireless Microphone Sales Market Report 2018</i>	<i>8</i>
<i>Electrical Equipment Manufacturing Global Market Report 2018.....</i>	<i>8</i>
<i>Semiconductor And Other Electronic Component Manufacturing Global Market Report 2018</i>	<i>9</i>
<i>Semiconductor Machinery Manufacturing Global Market Report 2018.....</i>	<i>10</i>
<i>Relay And Industrial Control Manufacturing Global Market Report 2018</i>	<i>11</i>
<i>Global Printed Battery Market Professional Survey Report 2018.....</i>	<i>12</i>
<i>Electric Lighting Equipment Manufacturing Global Market Report 2018.....</i>	<i>13</i>
<i>The Global Market for Electromechanical Pressure Switches.....</i>	<i>13</i>
<i>Worldwide PC Microprocessor Market Shares, 3Q17: Unit Shares Steady But AMD's Ryzen Processor Raises Company's Desktop Processor ASP and Revenue Share.....</i>	<i>14</i>
<i>Polarizer Film Market Report: Trends, Forecast and Competitive Analysis</i>	<i>14</i>
<i>Global Semiconductor Etch Equipment Market 2018-2022.....</i>	<i>15</i>

Global Bar Type Display Market Research Report 2018..... 16

Global Industrial Motor Busbar Market 2018-2022..... 16

Digital Instrument Cluster Market for Automotive by Display Type (LCD, TFT-LCD, OLED), Display Size (5-8 inch, 9-11 inch, >12 inch), Embedded Technology (AI, Non-AI), Electric Vehicle Type, Vehicle Type (PC and CV), and Region - Global Forecast to 2025..... 17

GLOBAL INTERNET OF THINGS MICROCONTROLLER MARKET FORECAST 2018-2026..... 17

Global Transient Voltage Suppressor (TVS) Diodes Market Research Report 2022..... 18

Global Water Leakage Detector Systems Sales Market Report 2018..... 18

Global Transportable Radar Control System (TRCS) Market Research Report 2018..... 19

Vision Processing Unit Market by Application (Drones, Surveillance Cameras, Autonomous Vehicles, Smartphones, Wearable Devices, Domestic & Commercial Robots), Vertical (Consumer, Industrial, Automotive), and Geography - Global Forecast to 2023 19

Pyrometer Market by Type (Fixed Type, Handheld Type), Technology (Optical, Infrared), End-use Vertical (Glass Industry, Ceramic Industry, Metal Processing Industry), and Geography (North America, Europe, Asia Pacific, RoW) - Global forecast to 2023 20

Light Field Market by Technology (Imaging Solution, Display), Vertical (Healthcare and Medical, Defense and Security, Media and Entertainment, Architecture and Engineering, Industrial), and Geography - Global Forecast to 2023..... 20

Global Automotive Adaptive Front Lighting System Market 2018-2022 21

Gfast Rollout Starts With Amendment 3 Chipsets 21

Fiber Optic Fusion Splicer Global Market Forecast & Analysis 2017-2027..... 22

Connector Market Report: Trends, Forecast and Competitive Analysis 22

Display Material Market by Technology (LCD, OLED), Component & Material (Substrate, Polarizer, Color Filter, Liquid Crystals, BLU, Emitter & Organic Layer, Encapsulation), Panel Type, Application, Region - Global Forecast to 2023 23

GLOBAL HAPTIC TECHNOLOGY MARKET FORECAST 2018-2026 24

GLOBAL ELECTRICAL ENCLOSURES MARKET FORECAST 2018-2026 25

Global Differential Pressure Sensors Market Professional Survey Report 2018..... 25

Infrastructure Monitoring Market by Technology (Wired and Wireless), Offering (Hardware: Sensors, Data Acquisition Systems; Software & Services), Vertical (Civil infrastructure, Energy), Application, and Geography - Global Forecast to 2023 26

Indian Touch Technology Market, Forecast to FY 2022 26

Global Dead Reckoning Sensor System Market 2018-2022..... 27

Global E-textile Market 2018-2022 27

Global Photoacoustic Microscopy Systems Market 2018-2022..... 28

Global Diffractive Optical Elements Sales Market Report 2018..... 28

Global Electronic Home Locks Market 2018-2022..... 29

Global Smart Wearables Market Research Report 2018..... 29

Global Automotive Temperature Sensors Market 2018-2022 30

Global MRAM Market 2018-2022 31

Silicon Wafer Market (Wafer Size; Device - Logic and Memory, MEMS, Power Devices, RFID and CMOS; Fabrication Method; End-use Industry) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2017 - 2025..... 32

Global Sputtering Equipment Market 2018-2022 32

Advanced Semiconductor Packaging Market (Fan-Out Wafer-Level Packaging (FO WLP), Fan-In Wafer-Level Packaging (FI WLP), Flip Chip (FC), 2.5D/3D) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2017 - 2026 33

Power MOSFET Market (Channel Type - N-Channel and P-Channel; Power Rating - Low, Medium, and High; Applications; Technology - SiC, GaN, and Si) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2017 - 2026 33

Global Pressure Sensors Market 2018-2022..... 34

Global Quantum Sensors Market 2018-2022..... 35

Global Water Quality Sensor Market 2018-2022..... 35

Broad Ion Beam Technology Market (Application - Etch and Deposition (Thin Film /Multilayer Film Deposition, Infrared Sensors, Optical Multilayers); End-use Industry) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2017 - 2025 36

TANTALUM: STATE OF THE INDUSTRY: 2018: And World Market Outlook: 2018-2023..... 36

Research Report on Automobile Headlamp Industry in China, 2018-2022 37

Global Gas Analyzers Market 2018-2022..... 37

Global Industrial Interlock Switches Market 2018-2022..... 38

Global Universal Flash Storage Market Analysis (2017-2023)..... 38

Irrigation Controllers Market by Type (Weather-based and Sensor-based), Product (Smart Controllers, Tap Timers, and Basic Controllers), Application (Non-agriculture and Agriculture), Irrigation Type, and Region - Global Forecast to 2022 39

Image Sensor Market by Technology (CMOS, CCD), Processing Type (2D, and 3D), Spectrum (Visible, and Non-Visible), Array Type (Linear, and Area), Vertical (Automotive, Consumer Electronics, Industrial), and Geography - Global Forecast to 2023 39

LED Packaging Market by Package Type (SMD, COB, CSP), Packaging Material (Lead Frames, Substrates, Bonding Wire, Encapsulation Resins), Application (General Lighting, Automotive Lighting, Backlighting), and Geography - Global Forecast to 2023 40

Global Wearable Electronics Market 2018-2022..... 40

Electronic Shelf Label Market by Product Type (LCD, Segmented E-Paper, Full-Graphic E-Paper), Communication Technology (RF, IR, NFC), Store Type (Hypermarkets, Supermarkets, Others), Component, and Geography - Global Forecast to 2023..... 41

<i>Global and China Tire Pressure Monitoring System (TPMS) Industry Report, 2017-2021</i>	41
<i>Global Industrial Optoelectronic Sensors Market 2018-2022</i>	42
<i>AFA Performance Testing Framework, 2018</i>	42
<i>RF Test Equipment Market by Type (Oscilloscopes, Signal Generators, Spectrum Analyzers, Network Analyzers), Form Factor (Benchtop, Portable, Modular), Frequency, Application (Telecommunication, Consumer Electronics), and Region - Global Forecast to 2023</i>	43
<i>Nanosensors Market (By Product Type: Optical Nano Sensors, Electrochemical Nano Sensors, and Electromagnetic Nano Sensors; By Application: By Geography) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015 - 2024</i>	44
<i>Flip Chip Technologies Market (By Bumping Technology: Copper Pillar, Solder Bumping, Gold Bumping; By Packaging Technology: By Packaging Type: By industry: By Geography) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015 - 2024</i>	45
<i>Global Micro Displays Market By Technology (LCD, DLP, LCOS & OLED), By Type (Projection Vs. Near-to-Eye), By End User (Consumer Electronics, Military & Defense, Automotive & Others), By Region, Competition Forecast & Opportunities, 2012 - 2022</i>	45
<i>InGaAs Camera Market by Camera Cooling technology (Cooled camera, Uncooled Camera), Scanning Type (Area Scan Camera, Line Scan Camera), Application (Military & Defense, Industrial Automation, Scientific Research), and Geography - Global Forecast to 2023</i>	46
<i>Niche Markets and Strategies for Small/Mid-size Semiconductor Equipment Companies</i>	46
<i>Asian Semiconductor Equipment Suppliers: Markets, Market Shares, Market Forecasts</i>	47
<i>WEARABLES - ELECTRONICS AND SEMICONDUCTOR MARKETS</i>	47
<i>Memory Chip Market by Type (Volatile (DRAM and SRAM) and Nonvolatile (PROM, EEPROM, NAND Flash, and Others)) and Application (Laptop/PCs, Camera, Smartphone, and Others) - Global Opportunity Analysis and Industry Forecast, 2017-2023</i>	48
<i>Convergence of Semiconductors and Smart Technology - A Market Analysis</i>	48
<i>Transformer Report- 2018 - Ed 6</i>	49
<i>Surge Protection Devices (SPDs)</i>	49
<i>Intel Versus ARM in Mobile Devices and Netbooks/Smartbooks: Insight Into Critical Issues and Market Analysis</i>	50
<i>Global Fine Pixel Pitch LED Displays Market Research Report 2018</i>	50
<i>LEDinside 2018 Infrared Sensing Application Market Report</i>	51
<i>Global DC Electronic Load Market 2017 Demand, Insights, Key Players, Segmentation and Forecast to 2022</i>	51
<i>Analog-to-Digital Converters Market by Product (Ramp ADC, Integrating ADC, Successive Approximation ADC, Delta-sigma ADC, & Others (Pipelined/Flash ADC)), & Application - Global Opportunity Analysis & Industry Forecast, 2017-2023</i>	52
<i>Printed and Flexible Sensors</i>	52

Ribbon Fiber Optic Cable Market to 2025 - Global Analysis and Forecasts by Types (Single Mode and Multi-Mode), by Cable Types (Gel Filled and Dry) and Application (FTTx, LAN, WAN, and Others)

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The technology which utilizes the physical properties of light by modulating a light signal with voice or data and sends it through a fiber by the virtue of Total Internal Reflection (TIR) is referred to as ribbon fiber optic cable technology. The growing demands for increase in the speeds of data transfer over a network with minimum data losses has spurred the need for implementations of fiber cables. The losses in copper wire data transmissions had researchers constantly put on a task to look out for a more efficient method to transmit data.

Today, the fiber cables are used to transmit video along with voice and data. The installation of fiber cables in the initial stages was a bit tedious task but with growing awareness and skilled labor have made implementations quite easier. Increasing deployments of data centers in various parts of the world has significantly led to the rise in usage of ribbon fiber optic cable communications. Upcoming technologies where data is transferred in real-time require high bandwidth medium for propagation. High bandwidth requirements are fulfilled by the ribbon fiber optic cable cables.

Global Piezoelectric Sensor Market Research Report 2018

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This report studies the Piezoelectric Sensor market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Piezoelectric Sensor market by product type and applications/end industries.

The global Piezoelectric Sensor market is valued at 1551.56 million USD in 2017 and is expected to reach 2148.49 million USD by the end of 2025, growing at a CAGR of 4.15% between 2017 and 2025.

The major players in global Piezoelectric Sensor market include:

- PCB Piezotronics
- Honeywell
- Meggitt Sensing Systems
- Bruel & Kjar
- Kistler Group
- TE Connectivity
- Dytran Instruments
- Ceramtec GmbH
- APC International Ltd.
- RION
- Kyowa Electronic Instruments
- Piezo Systems, Inc.
- Metrix Instrument
- DJB Instruments

Global Glass Wafers Industry Production, Sales and Consumption Status and Prospects Professional Market Research Report 2018-2025

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This report studies the Glass Wafers market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Glass Wafers market by product type and applications/end industries.

In terms of revenue, the global market size of Glass Wafers was 313.71 million USD in 2017 and will be 977.23 million USD in 2023, growing at a CAGR of 20.85% between 2017 and 2023.

The major players in global Glass Wafers market include:

- SCHOTT
- Asahi Glass Co
- Tecnisco
- Bullen
- Coresix Precision Glass
- Hoya Corporation
- Prazisions Glas & Optik
- Zhejiang Lante Optics
- Nippon Electric Glass
- Corning
- Plan Optik AG
- Swift Glass
- Edmund Optics
- Sydor Optics
- Valley Design
- Nikon

Global DBC Ceramic Substrate Market Professional Survey Report 2018

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This report studies the DBC Ceramic Substrate market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the DBC Ceramic Substrate market by product type and applications/end industries.

The DBC ceramic substrates market developed rapidly in the past several years, and dominated by the players from Japan, Germany, Korea and China, like Rogers/Ceramik, Heraeus Electronics and IXYS (Germany Division) from Germany; KCC from Korea, NGK Electronics Devices and Mitsubishi Materials from Japan; Stellar Industries Corp and Remtec from United States, while Tong Hsing (acquired HCS) from Taiwan. China is also an important producer, and there are three companies in China to produce and sell DBC ceramic substrates, they are Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics), Zibo Linzi Yinhe High-Tech Development and Nanjing Zhongjiang New Material Science & Technology.

Video Measuring System Market by Product Type (Manual, Semi-Automated, Automated), Application (Automotive, Aerospace & Defense, Heavy Machinery, Energy & Power, Electronics, Medical), Offering, And Geography - Global Forecast to 2023

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The video measuring system market is estimated to be worth USD 423.0 million in 2018 and is projected to reach USD 636.0 million by 2023, at a CAGR of 8.5% during the forecast period. Major factors driving the growth of the video measuring system market include the increasing adoption of non-contact measurement techniques based on computer numerical control (CNC) technology, increasing focus on quality control, advantages of video measurement technology over conventional measurement methods, and increasing need for highly efficient, reliable, and precise measurement technology.

"Market for automated video measuring systems estimated to grow at the highest CAGR during the forecast period"

The latest automated video measurement system provides high resolution and greater accuracy to perform critical dimensional measurements with high speed. Features such as automatic edge detection, programmable lighting, programmable zoom lens, and multi sensor technology greatly enhance the efficiency, speed, and accuracy of the measurement process. The market for automated video measuring systems is expected to grow at the highest CAGR.

2018 Market Research Report on Global Heat Sinks Industry

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This report studies the Heat Sinks market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Heat Sinks market by product type and applications/end industries.

The global Heat Sinks market is valued at XX million USD in 2017 and is expected to reach XX million USD by the end of 2025, growing at a CAGR of XX% between 2017 and 2025.

Volume Market Share Value Market Share

- Alpha 3.6 0.23% 15.55 0.13%
- Molex 8.57 0.54% 72.42 0.61%
- TE Connectivity 34.04 2.14% 327.81 2.76%
- Delta 23.79 1.50% 364.46 3.07%
- Mecc.AI 2.02 0.13% 26.79 0.23%
- Ohmite 11.03 0.69% 35.41 0.30%
- Aavid Thermalloy 28.06 1.77% 190.81 1.61%
- Sunon 6.52 0.41% 42.31 0.36%
- Advanced Thermal Solutions 2.25 0.14% 13.55 0.11%
- DAU 2.26 0.14% 22.74 0.19%
- Apex Microtechnology 0.58 0.04% 9.47 0.08%
- Radian 1.67 0.11% 12.12 0.10%
- CUI 23.84 1.50% 13.35 0.11%
- T-Global Technology 2.22 0.14% 7.22 0.06%
- Wakefied-Vette 5.82 0.37% 48.13 0.41%

Acoustic Microscopy Market by Offering (Microscopes, Accessories & Software, Services), Application (Non-Destructive Testing, Quality Control, Failure Analysis), Industry (Semiconductor, Life Science), and Geography - Global Forecast to 2023

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The acoustic microscopy market is estimated to be USD 951.0 million in 2018 and is projected to reach USD 1,241.2 million by 2023, at a CAGR of 5.47% between 2018 and 2023. Key factors driving the growth of the acoustic microscopy market includes safety regulations formulated by governments and international bodies, growth of various end-use industries, and increased funding for R&D in microscopy. High initial investments and overall operating cost, and implementation of excise tax and customs duty on acoustic microscopes are acting as key restraints to the growth of the acoustic microscopy market.

"The market for Non-Destructive Testing (NDT) application is projected to grow at the highest CAGR during the forecast period"

Based on application, the market for Non-Destructive Testing (NDT) is projected to grow at the highest CAGR from 2018 to 2023. This growth can be attributed to the increased awareness regarding industrial non-destructive testing methods and their benefits, such as increased life of equipment and improved production output. The emergence of automated NDT equipment that offer accurate results is a key factor driving the growth of the non-destructive testing application.

Electroactive Polymer Market by Type (Conductive Plastic, Inherently Conductive Polymer, Inherently Dissipative Polymer), Application (ESD Protection, EMI Shielding, Actuators, Capacitors, Batteries, Sensors), and Region - Global Forecast to 2022

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Technological developments in the electronics and semiconductor industries have led to the creation of polymers that change shape on the application of voltage. The biggest application for electro-active polymers (EAPs) lays in their use in antistatic and electronic applications which is expected to drive its market growth. Among all EAP applications market, the actuator segment is witnessing high R&D activity and medical devices and robotics will be the largest applications of EAP actuators. Actuators and sensors open up a huge spectrum of applications in the fields of electronics, healthcare, sensing, and solar energy generation. With the growing market for each of these applications, EAP is set to become a mainstream market in the next five years. However, the technical specifications for each application differ widely, and extensive research and investments are still needed for developing application-specific EAPs.

The global electro-active polymers product market is expected to be worth \$3.4 billion by 2017 and is forecasted to grow by a CAGR of 7.7% from 2012 - 2017. The conductive plastics segment contributed approximately 84% to the overall electro-active polymer market in 2011, mainly due to its extensive application in electrostatic discharge and electromagnetic interference. As the EAP market is still in the early phase of its growth, it presents many advantages for the early movers. As there are not many players in the market, detailed knowledge of the competitors will be crucial for the success of each company.

Weigh in Motion Market by Component (Hardware (Sensor and Controller), Software & Services), Application (Axle Counting, Weigh Enforcement, Weight-Based Toll Collection, Vehicle Profiling, Traffic Data Collection), and Geography - Global Forecast to 2023

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The weigh in motion (WIM) market is expected to grow at a CAGR of 8.88% between 2018 and 2023 to reach USD 875.7 million by 2023 from USD 572.2 million in 2018. The government initiatives toward intelligent transportation infrastructure and need for advanced traffic congestion solutions and real-time information systems are the major factors propelling the growth of the said market. However, factors such as high cost and restrictive installation requirements of nonintrusive sensors and slow growth in the infrastructure sector are restraining the growth of the WIM market.

"Hardware component segment expected to lead the market during the forecast period"

The weigh in motion hardware system makes use of several sensors and controllers to collect and transmit traffic data to the weigh in motion station. As weigh in motion site makes use of several sensors and other related hardware components, the market for hardware components is expected to hold the largest share during the forecast period.

Electronic Products Manufacturing Global Market Report 2018

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- Facilitate decision making on the basis of historic and forecast data and the drivers and restraints on the market.
- Create regional and country strategies on the basis of local data and analysis.
- Stay abreast of the latest customer and market research findings
- Benchmark performance against key competitors.
- Develop strategies based on likely future developments.
- Utilize the relationships between key data sets for superior strategizing.
- Suitable for supporting your internal and external presentations with reliable high quality data and analysis
- Gain a global perspective on the development of the market.
- Report will be updated with the latest data and delivered to you within 3-5 working days of order.

Automotive Lighting Global Market Report 2018

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- Stay abreast of the latest customer and market research findings
- Benchmark performance against key competitors.
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- Gain a global perspective on the development of the market.
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Global Wireless Microphone Sales Market Report 2018

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This report studies the Wireless Microphone market status and outlook of global and major regions, from angles of players, regions, product types and end industries; this report analyzes the top players in global and major regions, and splits the Wireless Microphone market by product type and applications/end industries.

The global Wireless Microphone market is valued at 2140.27 million USD in 2017 and is expected to reach 3069.94 million USD by the end of 2025, growing at a CAGR of 4.61% between 2017 and 2025.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Wireless Microphone.

Europe also play important roles in global market, with market size of 591.59 million USD in 2017 and will be 860.95 million USD in 2025, with a CAGR of 4.80%.

Electrical Equipment Manufacturing Global Market Report 2018

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Reasons to Purchase

- *Outperform competitors using accurate up to date demand-side dynamics information.*
- *Identify growth segments for investment.*
- *Facilitate decision making on the basis of historic and forecast data and the drivers and restraints on the market.*
- *Create regional and country strategies on the basis of local data and analysis.*
- *Stay abreast of the latest customer and market research findings*
- *Benchmark performance against key competitors.*
- *Develop strategies based on likely future developments.*
- *Utilize the relationships between key data sets for superior strategizing.*
- *Suitable for supporting your internal and external presentations with reliable high quality data and analysis*
- *Gain a global perspective on the development of the market.*
- *Report will be updated with the latest data and delivered to you within 3-5 working days of order.*

Semiconductor And Other Electronic Component Manufacturing Global Market Report 2018

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Reasons to Purchase:

- Outperform competitors using accurate up to date demand-side dynamics information.
 - Identify growth segments for investment.
 - Facilitate decision making on the basis of historic and forecast data and the drivers and restraints on the market.
 - Create regional and country strategies on the basis of local data and analysis.
 - Stay abreast of the latest customer and market research findings
 - Benchmark performance against key competitors.
 - Develop strategies based on likely future developments.
 - Utilize the relationships between key data sets for superior strategizing.
 - Suitable for supporting your internal and external presentations with reliable high quality data and analysis
 - Gain a global perspective on the development of the market.
 - Report will be updated with the latest data and delivered to you within 3-5 working days of order.
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- *Outperform competitors using accurate up to date demand-side dynamics information.*
 - *Identify growth segments for investment.*
 - *Facilitate decision making on the basis of historic and forecast data and the drivers and restraints on the market.*
 - *Create regional and country strategies on the basis of local data and analysis.*
 - *Stay abreast of the latest customer and market research findings*
 - *Benchmark performance against key competitors.*
 - *Develop strategies based on likely future developments.*
 - *Utilize the relationships between key data sets for superior strategizing.*
 - *Suitable for supporting your internal and external presentations with reliable high quality data and analysis*
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Relay And Industrial Control Manufacturing Global Market Report 2018

Published by The Business Research Company

Pub. Date 2018/02/01

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Relay And Industrial Control Manufacturing Market Global Report 2018 from The Business Research Company provides the strategists, marketers and senior management with the critical information they need to assess the global relay and industrial control manufacturing market.

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 - Gain a global perspective on the development of the market.
 - Report will be updated with the latest data and delivered to you within 3-5 working days of order.
-

Global Printed Battery Market Professional Survey Report 2018

Published by QYResearch

Pub. Date 2018/02/01

Price

USD 3500 PDF by E-mail (Single User License) ~

USD 7000 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/435913

This report studies the Printed Battery market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Printed Battery market by product type and applications/end industries.

The Global Printed Battery market is valued at 34293 K USD in 2017 and is expected to reach 828913 K USD by the end of 2025, growing at a CAGR of 48.91% between 2017 and 2025.

The major players in global Printed Battery market include:

Table Global Printed Battery Volume and Value by Manufacturers

- Segment by Company Volume(K Pcs) Revenue(K USD)
- Volume Market Share Value Market Share
- Blue Spark Technologies 1084 3.76% 1140 3.32%
- BrightVolt 4683 16.22% 5320 15.51%
- Jenax 2463 8.53% 3850 11.23%
- Green Power Energy 586 2.03% 301 0.88%
- Enfucell Oy 2168 7.51% 2760 8.05%
- Flexel 2457 8.51% 2833 8.26%
- Imprint Energy 314 1.09% 650 1.90%
- Enfucell Printed Electronics 694 2.40% 420 1.22%
- Xymox 3798 13.16% 5032 14.67%

Electric Lighting Equipment Manufacturing Global Market Report 2018

Published by The Business Research Company

Pub. Date 2018/02/01

Price

USD 4000 PDF by E-mail (Single User License) ~

USD 8000 PDF by E-mail (Enterprise License)

www.giiresearch.com/ce/603034

Electric Lighting Equipment Manufacturing Market Global Report 2018 from The Business Research Company provides the strategists, marketers and senior management with the critical information they need to assess the global electric lighting equipment manufacturing market.

Reasons to Purchase:

- Outperform competitors using accurate up to date demand-side dynamics information.
- Identify growth segments for investment.
- Facilitate decision making on the basis of historic and forecast data and the drivers and restraints on the market.
- Create regional and country strategies on the basis of local data and analysis.
- Stay abreast of the latest customer and market research findings
- Benchmark performance against key competitors.
- Develop strategies based on likely future developments.
- Utilize the relationships between key data sets for superior strategizing.
- Suitable for supporting your internal and external presentations with reliable high quality data and analysis
- Gain a global perspective on the development of the market.
- Report will be updated with the latest data and delivered to you within 3-5 working days of order.

The Global Market for Electromechanical Pressure Switches

Published by VDC Research Group, Inc.

Pub. Date 2018/01/31

Price

USD 4950 Web Access - PDF & Excel (Standard Team License 1-5 Users) ~

USD 6188 Web Access - PDF & Excel (Corporate License)

www.giiresearch.com/ce/602342

Electromechanical pressure switches are technologically mature products with well-established use cases. The mechanical elements within the different varieties of these switches are based upon basic, long-understood scientific principles that offer little room for technological enhancements. With limited ability to stimulate revenue growth by introducing new features, capabilities, or even use cases, suppliers must be vigilant to keep the product line profitable.

What questions are addressed?

- What is the future outlook for electromechanical pressure switches?
- What will be the impact of advanced pressure sensing technologies on this market?
- What role will ecommerce play in the future of this market?
- What are users' attitudes toward selecting pressure sensing instrumentation?
- How should suppliers endeavor to grow revenue in this space?

Worldwide PC Microprocessor Market Shares, 3Q17: Unit Shares Steady But AMD's Ryzen Processor Raises Company's Desktop Processor ASP and Revenue Share

Published by IDC

Pub. Date 2018/01/31

Price

USD 4500 PDF by E-mail (Single User License)

www.giiresearch.com/ce/538499

This IDC study examines the performance of the PC microprocessor market overall and through its desktop PC processor and mobile PC processor segments. Beginning with this deliverable, IDC has separated coverage of server processors into its own deliverable. Please refer to *Worldwide Server Microprocessor Market Shares, 1Q17: By Vendor, Architecture, Channel, Socket, and System Category - A Seasonally Slow Quarter* (IDC #US42878917, July 2017) for the results of the server processor market in 1Q17. "Due to a seasonal sequential decline and anticipation for the impact of AMD's Ryzen desktop PC processors that started shipping in March 2017, the PC processor market held its breath in 1Q17," said Shane Rau, research vice president, Computing Semiconductors.

Polarizer Film Market Report: Trends, Forecast and Competitive Analysis

Published by Lucintel

Pub. Date 2018/01/31

Price

USD 4850 Web Access (Single user license) ~

USD 8850 Web Access (Corporate License)

www.giiresearch.com/ce/602259

The future of the polarizer film market looks attractive with opportunities in the television, monitor, notebook, and cell phone markets. The global polarizer film market is expected to reach an estimated \$16 billion by 2023 and is forecast to grow at a CAGR of 6.1% from 2018 to 2023. The major growth drivers for this market are increasing demand for mobile phone and television displays, increasing demand for larger panel size, increasing penetration of quantum dot displays (QD-LED) for better visibility, and growth in demand for high quality organic light-emitting diode (OLED) displays in smartphones.

Emerging trends, which have a direct impact on the dynamics of the polarizer film industry, include development of ultra-thin polarizer film and the development of blue light high transmission polarizer film.

A total of 95 figures / charts and 73 tables are provided in this 200 -page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this polarizer film market report, download the report brochure.

Global Semiconductor Etch Equipment Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/31

Price

USD 2500 PDF by E-mail (Single User License) ~

USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/602370

Etching is a process used in the semiconductor industry to remove layers from the wafer surface using chemicals.

Technavio's analysts forecast the global semiconductor etch equipment market to grow at a CAGR of 3.77% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global semiconductor etch equipment market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Global Semiconductor Etch Equipment Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Global Bar Type Display Market Research Report 2018

Published by QYResearch

Pub. Date 2018/01/30

Price

USD 2900 PDF by E-mail (Single User License) ~

USD 5800 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/602178

According to the report, global revenue for Bar Type Display market was valued at \$ 54.24 million in 2017, and is expected to generate revenue of \$ 161.78 million by end of 2027, growing at a CAGR of slightly above 13.47 % between 2017 and 2027.

This report studies Bar Type Display in Global market, focuses on top manufacturers in global market, with volume and value and market share for each manufacturer, covering:

- LITEMAX
- Shenzhen Viewa Technology
- BenQ
- Winmate
- LG

Market Segment by Regions, this report splits Global into several key Regions, with volume, market share and growth rate of Bar Type Display in these regions, from 2015 to 2027 (forecast), like:

- North America
- Asia
- Europe
- Rest of World

Global Industrial Motor Busbar Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/29

Price

USD 2500 PDF by E-mail (Single User License) ~

USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/602358

Busbars are metallic strips made of copper or aluminum, which can conduct electricity and are used for power distribution. Industrial motor busbars are mainly used in motor control centers for supplying the power to motor protection devices such as soft starters, contactors, and drive systems.

Technavio's analysts forecast the global industrial motor busbar market to grow at a CAGR of 4.52% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global industrial motor busbar market for 2018-2022. To calculate the market size, the report considers the revenue generated from the sales of industrial motor busbar.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Digital Instrument Cluster Market for Automotive by Display Type (LCD, TFT-LCD, OLED), Display Size (5-8 inch, 9-11 inch, >12 inch), Embedded Technology (AI, Non-AI), Electric Vehicle Type, Vehicle Type (PC and CV), and Region - Global Forecast to 2025

Published by MarketsandMarkets

Pub. Date 2018/01/29

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/602275

The digital instrument cluster market is estimated to be USD 1.62 billion in 2017 and is projected to grow to USD 6.60 billion by 2025, at a CAGR of 19.15% during the forecast period. The standard of living of consumers has been improving gradually due to economic growth worldwide. Several features are being added to vehicles by manufacturers to meet the growing demand for safety, comfort, and convenience. Various OEMs across the globe have started adopting advanced technologies such as a digital instrument cluster to ease the operation and enhance aesthetics in the interior of the vehicle. The adoption of technologies to attract more customers and remain competitive is pushing OEMs to add advanced and luxury features in a vehicle. Thus, factors such as rising safety concerns and the increasing demand for luxury, convenience, and comfort are expected to drive the digital instrument cluster market globally. However, cyberthreat is a key factor that can hinder the growth of digital instrument cluster market. Increasing norms for cybersecurity and security system are expected to reduce the impact of cyberthreat on the digital instrument cluster market.

GLOBAL INTERNET OF THINGS MICROCONTROLLER MARKET FORECAST 2018-2026

Published by Inkwood Research

Pub. Date 2018/01/29

Price

USD 2500 PDF (Single User License) ~

USD 4500 PDF (Enterprisewide License)

www.giiresearch.com/ce/470966

Microcontroller is a System on Chip (SoC) which consists of a core processor, memory, and programmable input and output peripherals. Currently, the microcontroller is used across a number of automatically controlled IoT product and devices such as office machines, remote controls, automobile engine control systems, medical devices, etc. Over the forecast years of 2018-2026, the global IOT Microcontroller market is predicted to rise with 11.38% CAGR, generating a revenue of \$5683 million.

MARKET INSIGHTS

The global IoT in Microcontroller market is chiefly segmented on the basis of its applications and types. The application segment of the market includes Automotive, Consumer Electronics and Home Appliances, Industries, Security ID Medical, and Solar PV & Smart Grid. Consumer electronics and home appliances accounted for the biggest revenue share in 2017. The type segment of the market includes 8 bit, 16 bit and 32 bit. The 32-bit type segment of the market is expected to showcase the highest CAGR growth over the forecast period. Growing market for the internet of things and a rising demand for automation across end-user industries is mainly propelling the market ahead. However, the market has to face certain challenges on account of the fragmented nature of the industry.

Global Transient Voltage Suppressor (TVS) Diodes Market Research Report 2022

Published by QYResearch

Pub. Date 2018/01/26

Price

USD 2900 PDF by E-mail (Single User License) ~

USD 5800 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/447763

This report studies the Transient Voltage Suppressor (TVS) Diodes market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Transient Voltage Suppressor (TVS) Diodes market by product type and applications/end industries.

The global Transient Voltage Suppressor (TVS) Diodes market is valued at 518.79 million USD in 2016 and is expected to reach 666.70 million USD by the end of 2022, growing at a CAGR of 4.27% between 2016 and 2022.

The major players in global Transient Voltage Suppressor (TVS) Diodes market include:

- Vishay
- BrightKing
- ON Semiconductor
- NXP
- Bourns
- LAN technology
- SEMTECH
- TOSHIBA
- PROTEK
- EIC
- Littelfuse
- STMicroelectronics
- WAYON
- Diodes Inc.
- Infineon
- ANOVA
- MDE
- UN Semiconductor
- INPAQ
- SOCAY

Global Water Leakage Detector Systems Sales Market Report 2018

Published by QYResearch

Pub. Date 2018/01/26

Price

USD 4000 PDF by E-mail (Single User License) ~

USD 8000 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/601421

This report studies the Water Leakage Detector Systems market status and outlook of global and major regions, from angles of players, regions, product types and end industries; this report analyzes the top players in global and major regions, and splits the Water Leakage Detector Systems market by product type and applications/end industries.

Global revenue of Water Leakage Detector Systems was valued at 499.08 million USD in 2017, and the global revenue of Water Leakage Detector Systems is forecast to reach 641.22 million USD by the end of 2022.

Asia-Pacific is the largest consumption region of Water Leakage Detector Systems, with a consumption market share nearly 40.20% in 2017. The second place is Europe; following Asia-Pacific with the consumption market share over 24.76% in 2017.

Global Transportable Radar Control System (TRCS) Market Research Report 2018

Published by QYResearch

Pub. Date 2018/01/26

Price

USD 2900 PDF by E-mail (Single User License) ~

USD 5800 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/601420

The Global Transportable Radar Control System (TRCS) Market Research Report 2018 is a professional and in-depth study on the current state of the Transportable Radar Control System (TRCS) market. Annual estimates and forecasts are provided for the period 2018 through 2022. The global market for Transportable Radar Control System (TRCS) is expected to reach about 2011.03 Million USD by 2023 from 1510.39 Million USD in 2017, registering a Compounded Annual Growth Rate (CAGR) of 4.89% during the analysis period, 2017-2023.

The report provides a basic overview of the Transportable Radar Control System (TRCS) industry including definition, classification, application and industry chain structure. Then, the report focuses on global major leading industry players with information such as company profiles, product picture and specifications, sales, market share and contact information. What's more, the Transportable Radar Control System (TRCS) industry development trends and marketing channels are analyzed.

Vision Processing Unit Market by Application (Drones, Surveillance Cameras, Autonomous Vehicles, Smartphones, Wearable Devices, Domestic & Commercial Robots), Vertical (Consumer, Industrial, Automotive), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/25

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/602131

The vision processing unit market is estimated to grow from USD 168.2 million in 2018 to USD 946.0 million by 2023, growing at a CAGR of 41.26% between 2018 and 2023. The growth of this market is mainly driven by the increasing demand for high computational capability, growing demand for computer vision applications, rising adoption of artificial intelligence and machine learning technologies, and rising need for ASICs. There has been considerable growth in the demand for small and power-efficient vision processors that can be used in small devices and are capable of processing complex algorithms at the source of generation of data itself. The capacity of real-time decision-making would reduce the dependence on the connectivity and cloud for complex and faster decision-making, ideal for applications such as drones, autonomous vehicles, and surveillance cameras. The major restraint for the vision processing unit market growth is the high capability of GPUs and CPUs for industrial vision systems.

Pyrometer Market by Type (Fixed Type, Handheld Type), Technology (Optical, Infrared), End-use Vertical (Glass Industry, Ceramic Industry, Metal Processing Industry), and Geography (North America, Europe, Asia Pacific, RoW) - Global forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/24

Price

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USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/309497

The pyrometer market was valued at USD 542.4 million in 2017 and is expected to reach USD 815.9 million by 2023, at a CAGR of 7.0% between 2017 and 2023. The increasing demand for robust temperature measurement devices in critical industries and increasing automation in the industrial sector are the major drivers for the pyrometer market growth, while varying emissivity of the object or surface restrains the growth of the pyrometer market.

Pyrometer market for metal processing industry expected to grow at the highest CAGR during the forecast period

Increasing automation in the metal processing industry driving the growth of the pyrometer market in this industry. Pyrometers are used in the metal processing industry to measure temperatures at different stages of various processes such as forging, rolling, extrusion, and die forming. Moreover, the increasing use of pyrometers for reducing machinery damages and downtime expected to create significant opportunities for the pyrometer providers.

Light Field Market by Technology (Imaging Solution, Display), Vertical (Healthcare and Medical, Defense and Security, Media and Entertainment, Architecture and Engineering, Industrial), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/24

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/601441

The light field market was valued at USD 924.7 million in 2018 and is expected to reach USD 1,822.3 million by 2023, at a CAGR of 14.5% during the forecast period. Major factors driving the growth of the light field market includes the increasing demand for light field technology in visual effects technology in movies, just-in-time marketing, rising need of prototyping, and emerging 4D & 5D technologies. However, the lack of infrastructure support to implement light field imaging is hindering the growth of the market. The lack of availability of 3D content poses a crucial challenge for this market.

"3D rendering is growing substantially among other imaging solutions"

The complete range of 3D imaging solutions includes 3D modeling, 3D scanning, layout and animation, 3D rendering, and image reconstruction. The market for 3D rendering is expected to grow significantly owing to the increased demand from the media and entertainment industry for improved imaging. The increased emphasis on virtualization software is fostering the growth of the 3D rendering market.

Global Automotive Adaptive Front Lighting System Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/23

Price

USD 2500 PDF by E-mail (Single User License) ~

USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/397936

Adaptive front lighting system (AFLS) is a dynamic safety feature tailored to make driving easier and safer at night and in low-light conditions by increasing visibility. The AFLS augments the distribution of light according to driving circumstances.

Technavio's analysts forecast the global automotive adaptive front lighting system market to grow at a CAGR of 12.90% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global automotive adaptive front lighting system market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Gfast Rollout Starts With Amendment 3 Chipsets

Published by Heavy Reading

Pub. Date 2018/01/23

Price

USD 2495 PDF By E-mail (Includes Corporate Access)

www.giiresearch.com/ce/600671

With governments mandating minimum broadband speeds and users investing in Ultra HD TVs and the latest gadgets, we are seeing rapidly-growing demand for higher-speed fixed broadband. Small- and medium-sized businesses (SMBs), which are increasingly using cloud-based services, are also using fixed broadband lines for their main Internet connection or as a backup connection. Mobile data offloading to local WiFi networks sends further bandwidth through fixed broadband links.

Gfast's rollout has been delayed while silicon vendors work on second-generation chipsets (that benefit from lessons learned in initial trials) and implement new features defined in Amendment 3, which was agreed in April 2017. These new features include 212 MHz bandwidth operation, support for coax and dynamic time assignment (DTA). In the meantime, there have also been developments for VDSL, including VDSL 35b, which supports bandwidths up to 300/400 Mbit/s, and trials of long reach the ADSL.

All the pieces are falling into place for the rollout of Gfast during 2018 and into 2019. The success of Gfast now depends on the real-world performance achieved and the relative attractiveness of alternative solutions, including FTTH and fixed wireless using 5G.

Fiber Optic Fusion Splicer Global Market Forecast & Analysis 2017-2027

Published by ElectroniCast

Pub. Date 2018/01/23

Price

USD 5100 PDF, MS Excel and PowerPoint files by E-mail (Enterprise License within One Country)

www.giiresearch.com/ce/240538

This ElectroniCast report provides estimates of 2017 and a 10-year forecast of the use of fiber optic fusion splicer machines. The market forecast data are segmented by the following functions:

- Consumption Value (US\$, Million)
- Quantity (Number/Each)
- Average Selling Prices (ASP \$, each in Thousands)

Applications

The ElectroniCast global fiber optic fusion splicer market is segmented into the following major application categories:

- Telecommunications/Multimedia
- Private Enterprise Networks
- Cable TV/Multimedia
- Military/Aerospace (Commercial and MIL-SPEC)
- Specialty (intra-enclosure, test and measurement, rental units, harsh environment industrial, bio-photonics, sensors, laboratory, manufacturing/production of fiber optic components/devices, other applications, and non-specific uses)

Connector Market Report: Trends, Forecast and Competitive Analysis

Published by Lucintel

Pub. Date 2018/01/23

Price

USD 4850 Web Access (Single user license) ~

USD 8850 Web Access (Corporate License)

www.giiresearch.com/ce/600673

The future of the connector market looks promising with opportunities in the automotive and transportation, telecom/datacom, computer and peripheral, industrial, and consumer electronics industry. The global connector market is expected to reach an estimated \$80.4 billion by 2023 with a CAGR of 4.9% from 2018 to 2023. The major growth drivers for this market are growing 3C applications (Computers, Communications, and Consumer Electronics), miniaturization of electronic devices, and demand for products with advanced features, convenience, and connectivity.

Emerging trends, which have a direct impact on the dynamics of the connector industry, includes Increasing demand for high speed connectors, shift towards compact and thinner connectors, development of high power connectors.

A total of 95 figures / charts and 66 tables are provided in this 167 -page report to help in your business decisions. Sample figures with some insights are shown below.

Display Material Market by Technology (LCD, OLED), Component & Material (Substrate, Polarizer, Color Filter, Liquid Crystals, BLU, Emitter & Organic Layer, Encapsulation), Panel Type, Application, Region - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/23

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/601154

The display material market was valued at USD 28.87 billion in 2017 and is expected to reach USD 34.60 billion by 2023, at a CAGR of 3.1% between 2017 and 2023. Construction and upgrade of display panel manufacturing plants in APAC, increasing average screen size and resolution of television units, and increased adoption of OLED display technology in various applications significantly drive the market growth.

High growth of OLED and quantum dot LCDs as well as emerging technologies such as micro-LED and true quantum dot are expected to provide good growth opportunities for display material providers in the future. Exclusivity and IP protection of advanced technologies is preventing entry of new players in the market for these advanced technologies, thus slightly hindering the growth of the display material market.

"The emitter and organic layer materials to dominate the OLED display material market during the forecast period"

Emitter and organic layer materials held the largest share of the OLED display material market in 2016. Emitter and organic layer include various sub-layers such as emitting layer (emissive material) (EML) (RGB), hole transport layer (HTL) and hole injection layer (HIL), and electron transport layer (ETL) and electron injection layer (EIL).

GLOBAL HAPTIC TECHNOLOGY MARKET FORECAST 2018-2026

Published by Inkwood Research

Pub. Date 2018/01/23

Price

USD 2500 PDF (Single User License) ~

USD 4500 PDF (Enterprisewide License)

www.giiresearch.com/ce/551045

The Global Haptic Technology market was estimated to be at \$9083.13 million in 2017 and is projected to reach \$32988.56 million by 2026, growing at an estimated CAGR of 15.46% during the forecast period of 2018-2026. Factors such as the growing demand for the haptic technology in gaming consoles, electronics devices, automotive safety applications, education display technology, etc. can all be attributed for the recent boom in the market.

MARKET INSIGHTS

The Global Haptic Technology market is segmented by its components, applications, and feedback type. The components can further be classified into drivers and controllers, actuators, software, etc. The application for this market can be observed in areas like consumer electronics, gaming, healthcare, and education. The feedback component of the market is further classified into force feedback and tactile feedback.

REGIONAL INSIGHTS

The global haptic technology market covers four major geographic regions, that is, the Asia-Pacific, Europe, North America and the rest of the world. Due to the presence of major market companies such as HTC, Fujitsu, LG, Panasonic, Lenovo, Samsung, Sony, etc., the Asia-Pacific region is dominating the global market. The rest of the world market which includes Latin America, Middle East, and Africa is anticipated to be the fastest growing market over the forecast period, primarily driven because of the integration of the haptic technologies for a wide range of applications in this region.

GLOBAL ELECTRICAL ENCLOSURES MARKET FORECAST 2018-2026

Published by Inkwood Research

Pub. Date 2018/01/23

Price

USD 2500 PDF (Single User License) ~

USD 4500 PDF (Enterprisewide License)

www.giiresearch.com/ce/470968

Regulations concerning environmental safety, rising power infrastructure and growing adoption of smart homes and industrial automation are few of the factors that are expected to drive the global electrical enclosure market at a 6.79% CAGR for the forecast years of 2018 - 2026.

MARKET INSIGHTS

Market segmentation of the global electrical enclosure market is done according to the product types, applications, form factors and materials. Product type segments include hazardous environment, drip-tight, flame/explosion proof, dust-tight and others. The market finds its application in areas like energy and power, transportation, food and beverages, commercial, industrial, etc. The form factor segments include small enclosures, free size, and compact enclosures while the materials segments include metallic and non-metallic segments.

REGIONAL INSIGHTS

The geographical segmentation of the global electrical enclosure market is done into North America, Asia-Pacific, Europe and rest of world. A rapid growth is expected from the Asia-Pacific market due to increasing infrastructural development, growing automobile sector, and changing consumer preferences. On the other hand, the North American market is forecasted to continue its dominance throughout the forecast period. The U.S market accounted for almost 70% of this market's share. Favorable government regulations are the key driving forces behind the progress of this market.

Global Differential Pressure Sensors Market Professional Survey Report 2018

Published by QYResearch

Pub. Date 2018/01/23

Price

USD 3500 PDF by E-mail (Single User License) ~

USD 7000 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/601358

The Global Differential Pressure Sensors Market Professional Survey Report 2018 is a professional and in-depth study on the current state of the Differential Pressure Sensors market. Annual estimates and forecasts are provided for the period 2018 through 2022. The Differential Pressure Sensors industry was 1610.23 million USD in 2017 and is projected to reach USD 1956.39 million USD by 2023, at a CAGR (Compounded Annual Growth Rate) of 3.30% between 2017 and 2023. The Differential Pressure Sensors industry sales was 4076.53 K Units in 2017 and is projected to reach 6152.17 K Units by 2023, at a CAGR (Compounded Annual Growth Rate) of 7.10% between 2017 and 2023.

The report provides a basic overview of the Differential Pressure Sensors industry including definition, classification, application and industry chain structure. Then, the report focuses on global major leading industry players with information such as company profiles, product picture and specifications, sales, market share and contact information. What's more, the Differential Pressure Sensors industry development trends and marketing channels are analyzed.

Infrastructure Monitoring Market by Technology (Wired and Wireless), Offering (Hardware: Sensors, Data Acquisition Systems; Software & Services), Vertical (Civil infrastructure, Energy), Application, and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/23

Price

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www.giiresearch.com/ce/350813

The infrastructure market is estimated to grow from USD 1.48 billion in 2018 to USD 3.38 billion by 2023, at a CAGR of 17.93% between 2018 and 2023. The major factors driving the growth of the infrastructure monitoring market include catastrophic failure of the infrastructure that results in loss of lives and incurs higher costs, stringent environmental regulations pertaining to the sustainability of structures, and aging infrastructure and the superior benefits of infrastructure monitoring. However, high installation and monitoring costs, inaccurate results due to errors in readings, slow growth of developing countries are the major restraining factors for the growth of the infrastructure monitoring market.

"Wired infrastructure monitoring technology expected to hold a larger market share by 2023"

Considering today's scenario, wired infrastructure monitoring systems are widely adopted for different types of structures as they offer reliable connectivity, and there is no limitation on long-distance data transfer. Additionally, wired monitoring systems are already being used for the overall assessment of numerous structures in various countries such as bridges, buildings, and dams.

Indian Touch Technology Market, Forecast to FY 2022

Published by Frost & Sullivan

Pub. Date 2018/01/19

Price

USD 4950 Web Access (Regional License)

www.giiresearch.com/ce/602454

Touch screens are increasing experiencing high uptake in India market. With the availability of touch panels that can integrate seamlessly with the existing systems, they have caught the imagination of the end-users. Higher penetration of technology in everyday life, rise of Gen-Y, decline in prices, availability of robust technology and rising demand in end-user segments - government, banks, retail, gaming among others are the primary reasons of foreseen growth.

Touch screen market is defined by 5 technologies (Resistive, Single Touch Capacitive, Multi-Touch Capacitive, SAW and Infrared) and screen sizes ranging from sub 15 inches to higher than 100 inches. Touch screens is predominantly an import driven market in India and can be categorized as organized and un-organized market. Organized segment constitutes 41.6% while the un-organized segment constitutes 58.4% of the total market. The un-organized segment comprises imports from China, Taiwan and Korea. Within the organized segment of the market, the Indian touch technology market is relatively consolidated with the top 5 companies accounting for 90% of the organized segment. The most significant market participants in the organized segment are 3M, PQ Labs, Samsung, General Touch Technology and Elo Touch Solutions.

Global Dead Reckoning Sensor System Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/19

Price

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www.giiresearch.com/ce/601383

Signals can be received using three to four GPS/GNSS satellites at the same time for accurate GPS/GNSS positioning. However, there can be instances when the accuracy is lost or degraded just by relying on GPS/GNSS. For instance, when the vehicle is going through a tunnel, an underground passage, or through areas bounded by tall glass buildings, GPS/GNSS signals cannot be received. A dead reckoning sensor system is used to eliminate such limitations.

Technavio's analysts forecast the global dead reckoning sensor system market to grow at a CAGR of 1.91% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global dead reckoning sensor system market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Global E-textile Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/19

Price

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www.giiresearch.com/ce/601396

E-textiles are integrated with electronic components such as sensors for different application in heat management, health monitoring, illumination, communication, sensing, and other related uses. Smart textiles are available in the wearable form of gloves, coats, T-shirts, and sportswear.

Technavio's analysts forecast the global e-textile market to grow at a CAGR of 25.09% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global e-textile market for 2018-2022. To calculate the market size, the report considers the revenue generated from various applications of e-textiles, which includes passive e-textile, active e-textile, and ultra-smart textile, in end-user industries such as military and defense, sports and fitness, architecture, medical and healthcare, transportation, and fashion and entertainment.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Global Photoacoustic Microscopy Systems Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/19

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/601399

Photoacoustic microscopy is used for mapping microvasculature networks in biological tissues. In photoacoustic microscopy, the short-pulsed laser light is absorbed by biological tissues and converted to transient heating, which is then converted into an ultrasonic wave due to thermoelastic expansion. Detection of the ultrasonic wave yields a tomographic image.

Technavio's analysts forecast the global photoacoustic microscopy systems market to grow at a CAGR of 39.77% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global photoacoustic microscopy systems market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

Global Diffractive Optical Elements Sales Market Report 2018

Published by QYResearch

Pub. Date 2018/01/18

Price

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USD 8000 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/600381

This report studies the Diffractive Optical Element market status and outlook of global and major regions, from angles of players, regions, product types and end industries; this report analyzes the top players in global and major regions, and splits the Diffractive Optical Element market by product type and applications/end industries.

The global Diffractive Optical Element market is valued at 500.45 million USD in 2016 and is expected to reach 648.74 million USD by the end of 2022, growing at a CAGR of 4.42% between 2016 and 2022.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Diffractive Optical Element.

Europe also plays important roles in global market, with market size of 114.57 million USD in 2016 and will be 151.48 million USD in 2022, with a CAGR of 4.76%.

Global Electronic Home Locks Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/17

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/600490

An electronic lock is a locking device that operates through electric current or motion mechanism and performs locking and unlocking operations on a door accordingly. In this report, electronic locks used for residential purposes are considered and analyzed.

Technavio's analysts forecast the global electronic home locks market to grow at a CAGR of 16.41% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global electronic home locks market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Global Electronic Home Locks Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Global Smart Wearables Market Research Report 2018

Published by QYResearch

Pub. Date 2018/01/17

Price

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USD 5800 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/492204

This report studies the Smart Wearables market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Smart Wearables market by product type and applications/end industries.

The major players in global Smart Wearables market include

- | | |
|------------|-------------|
| • Fitbit | • Xiaomi |
| • Apple | • Garmin |
| • Samsung | • Jawbone |
| • Misfit | • Polar |
| • Moto | • Huawei |
| • BBK(XTC) | • Lifesense |
| • Razer | |

Global Automotive Temperature Sensors Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/16

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/439512

Temperature sensors are used to measure the temperature by converting thermal energy into electrical energy. This information is then sent to the electronic control unit (ECU), which calculates appropriate algorithms based on the data to keep the vehicle running in good condition.

Technavio's analysts forecast the global automotive temperature sensors market to grow at a CAGR of 6% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global automotive temperature sensors market for 2018-2022. To calculate the market size, the report considers the revenue generated from the sales of automotive temperature sensors.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Global Automotive Temperature Sensors Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Global MRAM Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/16

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/481499

MRAM is a type of nonvolatile memory, which uses magnetic charge to store data. The primary advantage of MRAM is that it retains data when power is turned off. MRAM requires only a small amount of electricity to be able to store data bits.

Technavio's analysts forecast the global MRAM market to grow at a CAGR of 44.63% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global MRAM market for 2018-2022. To calculate the market size, the report considers the number of unit shipments of MRAM.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Global MRAM Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Silicon Wafer Market (Wafer Size; Device - Logic and Memory, MEMS, Power Devices, RFID and CMOS; Fabrication Method; End-use Industry) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2017 - 2025

Published by Transparency Market Research

Pub. Date 2018/01/16

Price

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www.giiresearch.com/ce/603255

This report on the global silicon wafers market provides analysis for the period 2015-2025, wherein 2016 is the base year and the period from 2017 to 2025 is the forecast period. Data for 2015 has been included as historical information. The report covers market dynamics including drivers, restraints opportunities, and trends expected to influence the global silicon wafers market growth during the forecast period. Wafers size (such as up to 100 mm, 150 mm, 200 mm and 300 mm & above) are playing a major role in driving the global silicon wafers market have also been covered in the report.

The study provides a comprehensive analysis on market growth throughout the above mentioned forecast period in terms of revenue and volume estimates (in US\$ Mn and Thousand Units), across different geographies. Semiconductor chips are used in virtually all modern day electronic devices available today. In addition, the silicon wafer serves as the substrate for microelectronic devices. In electronics industry, a silicon wafer is a tiny slice of semiconductor substrate which is used in the fabrication of integrated circuits (ICs) and other micro components.

Global Sputtering Equipment Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/16

Price

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www.giiresearch.com/ce/475153

Sputtering is a thin film deposition manufacturing process used in the manufacturing of semiconductors, disk drives, CDs, and optical devices. The equipment that facilitates this process is called the sputtering equipment.

Technavio's analysts forecast the global sputtering equipment market to grow at a CAGR of 3.37% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global sputtering equipment market for 2018-2022. To calculate the market size, the report considers the revenue generated by the leading vendors of sputtering equipment.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Advanced Semiconductor Packaging Market (Fan-Out Wafer-Level Packaging (FO WLP), Fan-In Wafer-Level Packaging (FI WLP), Flip Chip (FC), 2.5D/3D) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2017 - 2026

Published by Transparency Market Research

Pub. Date 2018/01/16

Price

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www.giiresearch.com/ce/603252

Semiconductor packaging prevents physical damage and corrosion of the chips that are to be connected to the circuit boards. In the recent years, semiconductor packaging has evolved giving rise to advanced semiconductor packaging technologies. Manufacturers are moving towards new packaging options such as 2.5D integrated circuits and 3D integrated circuits. Meanwhile, manufacturers are also focusing on developing an alternative to the 2.5D packaging.

Internet of Things (IoT) is also expected to have a significant impact on the advanced semiconductor packaging market. Hence, new packaging technologies supporting IoT driven semiconductor industry are being introduced. Miniaturization of devices and thermal dissipation are leading towards the growth of the advanced semiconductor packaging market. Meanwhile, the requirement for less power consumption, improved efficiency is driving the adoption of 3D semiconductor packaging in the advanced semiconductor packaging market.

Power MOSFET Market (Channel Type - N-Channel and P-Channel; Power Rating - Low, Medium, and High; Applications; Technology - SiC, GaN, and Si) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2017 - 2026

Published by Transparency Market Research

Pub. Date 2018/01/15

Price

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USD 11795 PDF by E-mail (Corporate License)

www.giiresearch.com/ce/603249

As the global production of electronic devices continues to gain traction, the demand for semiconductors and components witnesses an upsurge. Increasing complexities in the design of electronic devices has propelled the miniaturization of semiconductor components. The role of metal oxide semiconductor field effect transistors (MOSFET) in the operational workflow of electronic devices has bolstered its demand, particularly with respect to controlling the power consumption of the device. The demand for power MOSFETs continues to incur steadfast growth as their advantage in high speed switching applications renders them highly important commodity in the semiconductors industry.

Transparency Market Research's latest study on the global market for power MOSFET discusses such factors and draws a forecast based on an in-depth analysis. The report provides analysis on the expansion of the global power MOSFET market, and offers a forecast on market size growth for the assessment period, 2017-2026. The report has been developed to cater to the difficulties faced by players in the global power MOSFET market. Local companies and industry leaders, both, can avail the benefits of this report by referring to the inferences that connect valuable insights with market size estimations.

Global Pressure Sensors Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/15

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/572151

A pressure sensor is a device that is used to detect pressure changes and convert it into an electrical signal, which can be modulated depending on the intensity of pressure.

Technavio's analysts forecast the global pressure sensors market to grow at a CAGR of 7.43% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global pressure sensors market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, Global Pressure Sensors Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Global Quantum Sensors Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/15

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www.giiresearch.com/ce/600470

A quantum sensor is a device, which uses the basic principles of quantum physics to achieve a sensitivity level that is highly accurate as compared to classical sensor systems. There are three major principles of quantum technology, namely superposition principle, quantum entanglement, and quantum tunneling.

Technavio's analysts forecast the global quantum sensors market to grow at a CAGR of 11.32% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global quantum sensors market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Global Water Quality Sensor Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/15

Price

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www.giiresearch.com/ce/600474

Water quality sensors are used to monitor water quality in rivers, lakes, and seas. These sensors are suitable for potable water monitoring, chemical leakage detection in rivers, and remote measurement of seawater pollution levels.

Technavio's analysts forecast the global water quality sensor market to grow at a CAGR of 6.68 % during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global water quality sensor market for 2018-2022. To calculate the market size, the report considers the number of unit shipments of water quality sensors, which include individual as well multiparameter sonde. The market size by revenue has been calculated by adding up the market size of different application segments.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Broad Ion Beam Technology Market (Application - Etch and Deposition (Thin Film /Multilayer Film Deposition, Infrared Sensors, Optical Multilayers); End-use Industry) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2017 - 2025

Published by Transparency Market Research

Pub. Date 2018/01/11

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www.giiresearch.com/ce/603287

Broad ion beam technology market report provide analysis for the period of 2015 - 2025, where in 2016 represents base year and the period from 2017 to 2025 is the forecast period. Data for 2015 have been included as historical information. The report covers the global broad ion beam technology market including growth drivers, market restraints and major market opportunities which are anticipated to influence the market during the said period. Global and regional factors and trends playing a significant role in the global broad ion beam technology market has also been covered in the study. The study provides a comprehensive and exhaustive analysis of the market growth throughout the forecast period in terms of revenue estimates (in US\$ Mn), across various geographies.

Global Broad Ion Beam Technology Market: Key Segments

Broad ion beam technology market is segmented based on the application, end-use industry and geography. On the basis of application, the broad ion beam technology market is classified into structuring of MEMS, MRAM and sensors, metallic and dielectric multilayers, ion beam polishing, micro structuring, chemically assisted ion beam etching , delayering (Failure Analysis) by etch type .

TANTALUM: STATE OF THE INDUSTRY: 2018: And World Market Outlook: 2018-2023

Published by Paumanok Publications, Inc.

Pub. Date 2018/01/09

Price

USD 3750 PDF by E-mail (Single User License)

www.giiresearch.com/ce/599427

This study covers the global market for tantalum materials, including tantalum ores and concentrates and engineered tantalum powder, wire, foil, sheet, bar and rod for consumption in tantalum capacitor anodes, tantalum sputtering targets, superalloys, cemented carbide cutting tools, fabricated mill products and tantalum chemicals and compounds. The study forecasts demand for tantalum based upon its "known reliability" and its unique attributes of capacitance, durability, corrosion and heat resistance; as well as its unique optical properties.

The study addresses key issues facing the industry between 2018 and 2023 including the expected price fluctuations for the metal, including its potential deficit amidst mine closings; stringent legislation and vertical integration within the supply chain. The study forecasts demand for tantalum in capacitor anodes, taking into consideration the projected demand for tantalum capacitors consumed in various portable digital electronics, including smartphones and computer tablets, notebook computers and servers; automotive electronic subassemblies; and consumer electronics such as game consoles; and digital cameras. For forecasting suture requirements, the study takes into consideration the existence and market potential for tantalum displacement by alternative technologies such as high capacitance MLCC and conductive polymer aluminum chip capacitors. It also forecasts tantalum consumption in hard metals, including cemented carbide cutting tools, superalloys, and mill products, amidst expected increases in production of aircraft and automobiles to satisfy increasing demand from emerging economies.

Research Report on Automobile Headlamp Industry in China, 2018-2022

Published by China Research and Intelligence

Pub. Date 2018/01/08

Price

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USD 3600 Printable & Editable PDF (Enterprisewide License)

www.giiresearch.com/ce/599378

Headlamps refer to lighting devices that are installed in both sides of the automobile head and are used for night driving. Since the lighting effect of automobile headlamps has a direct influence on operations and safety of night driving, traffic administrative departments in different countries generally specify lighting standards of headlamps in legal format in order to ensure safety of night driving.

The light of automobile headlamps usually presents white or warm yellow. Initially, incandescent lamps and halogen lamps were used as lighting sources. Since 1990s, incandescent lamps have gradually been wiped out. Instead, high-intensity discharge lamps represented as xenon lamps emerged and became mainstream products along with halogen lamps. Technological progress has contributed to emergence of LED headlamps and laser headlamps. Currently, automobile headlamps are developing towards high direction, high brightness, low energy consumption and intelligence.

Global Gas Analyzers Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/08

Price

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www.giiresearch.com/ce/361538

Gas analyzers find applications in the upstream, midstream, and downstream sectors of the oil and gas industry. These are used in tracing gas purity, perform contamination analysis, compositional analysis, and hydrocarbon analysis. In the oil and gas upstream sector, during exploration, several gases such as carbon dioxide, sulfur oxide, and nitrogen oxide are released from the oil and gas fields, which can be hazardous to both infrastructure and people working in the vicinity. Therefore, it is crucial to accurately identify the type of gas and its contents. In the midstream sector, gas analyzers are mostly used in pipelines and LNG transportation. Gas analyzers are used to avoid corrosion in pipelines. Carbon, oxygen, and hydrogen gases can easily form toxic gases such as hydrogen sulfide, which can cause corrosion of pipeline infrastructure.

Technavio's analysts forecast the global gas analyzers market to grow at a CAGR of 3.88% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global gas analyzers market for 2018-2022. To calculate the market size, the report considers the revenue generated from the sales of gas analyzers.

Global Industrial Interlock Switches Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/08

Price

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/599689

The global industrial interlock switches market is a contributing segment of the global safety switches market. From a top-down perspective, Technavio has analyzed the global safety switches market as a parent market to set the context in which the global industrial interlock switches market will be analyzed. Safety switches are electric switches that are completely enclosed in a metal box with an external control handle; they are designed in such a way that the box cannot be opened while the switch is closed and the switch cannot be closed when the box is open.

Technavio's analysts forecast the global industrial interlock switches market to grow at a CAGR of 5.46% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global industrial interlock switches market for 2018-2022. To calculate the market size, the report considers the revenue generated from the sales of industrial interlock switches.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Global Universal Flash Storage Market Analysis (2017-2023)

Published by KBV Research

Pub. Date 2018/01/08

Price

USD 3600 PDF by E-mail (Single User License) ~

USD 4320 PDF by E-mail (Site License)

www.giiresearch.com/ce/603405

The Global Universal Flash Storage Market size is expected to reach \$4.4 billion by 2023, rising at a market growth of 18.1% CAGR during the forecast period. Growing demand for electronic devices which have superior performance and improved responsiveness, demand for wearable electronics, and rapid adoption of high-speed data transfer technologies have been the factors driving the growth of the universal flash storage market. Universal flash storage external cards help in power-efficient data transport, better performance levels, and doubling throughput via command queuing. Development of innovative memory solutions have been the priority to the market participants, as the demand for high-resolution movie playback, high-resolution 3D gaming, and high-end DSLR camera for enhanced multimedia experience is growing among the consumers. Due to superior performance and improved responsiveness of the consumer electronic devices, universal flash storage cards would gain tremendous adoption during the forecast period. Removable universal flash storage cards support multiple commands and enable simultaneous reading and writing, doubling throughput. The most power-efficient data transport and highest performance within the consumer electronic devices is therefore achieved due its efficiency.

Irrigation Controllers Market by Type (Weather-based and Sensor-based), Product (Smart Controllers, Tap Timers, and Basic Controllers), Application (Non-agriculture and Agriculture), Irrigation Type, and Region - Global Forecast to 2022

Published by MarketsandMarkets

Pub. Date 2018/01/08

Price

USD 5650 PDF by E-mail (Single User License) ~

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www.giiresearch.com/ce/599538

The irrigation controllers market is projected to reach USD 1,186.6 million by 2022, from USD 529.2 million in 2017, at a CAGR of 17.53% from 2017 to 2022. The market is driven by the increasing need for water conservation, adoption of modern farming practices, and increased demand for lawn and garden equipment. The high investment costs and low farm incomes are expected to restrict the market growth.

"The weather-based segment led the irrigation controllers market in 2016."

The weather-based segment accounted for a major share in the irrigation controllers market. The demand for weather-based irrigation controllers is witnessing a rise in developed regions such as North America and Europe. These controllers obtain inputs from satellite weather stations or local weather servers and update the amount of irrigation required.

Image Sensor Market by Technology (CMOS, CCD), Processing Type (2D, and 3D), Spectrum (Visible, and Non-Visible), Array Type (Linear, and Area), Vertical (Automotive, Consumer Electronics, Industrial), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/08

Price

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www.giiresearch.com/ce/263679

The overall image sensor market was valued at USD 14.19 billion in 2017 and is expected to reach USD 24.80 billion by 2023, growing at a CAGR of 9.75% between 2017 and 2023. Major factors driving the growth of the image sensor market include the increasing penetration of image sensors in automobiles, the trend of miniaturization and dual camera in smartphones and tablets, demand for improved medical imaging solutions. Innovation by OEMs will lead to the increase in the use of image sensors in applications such as machine vision, ADAS, and wearables and will offer great opportunities for the image sensor market. However, high manufacturing cost of image sensors is restraining the growth of this market. Images captured using low-megapixel cameras have numerous drawbacks. The image quality of such images gets reduced while zooming in, cropping, or taking prints. Hence, the demand for high-megapixel cameras is growing. To increase the number of pixels, manufacturers either have to increase the chip size or shrink the pixel pitch. However, a larger chip size would incur higher cost.

LED Packaging Market by Package Type (SMD, COB, CSP), Packaging Material (Lead Frames, Substrates, Bonding Wire, Encapsulation Resins), Application (General Lighting, Automotive Lighting, Backlighting), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/05

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/599423

The LED packaging market is expected to reach USD 26.39 billion by 2023 from USD 18.41 billion in 2017, at a CAGR of 6.2%. The key drivers for the growth of the LED packaging market include increasing demand for high power grade LED packages for lighting applications; rising demand for LED packages in the market for display panels; growing government initiatives and regulations to adopt energy-efficient LEDs; increasing demand for smart lighting solutions. However, high saturation in the market is expected to restrict adoption, which, in turn, may limit market growth to a certain extent.

"CSP LEDs are expected to be the fastest growing segment in the LED packaging market during the forecast period"

The increased adoption of CSP over standard SMD is mainly due to the advantages such as reduced package footprint, thin profile, reduced weight as well as better electrical performance and area array distribution of connections. Size reduction in CSP is mainly due to the ball grid array design of the package, which results in saving printed circuit board routing space by designing all interconnects under the package in ball grid array style.

Global Wearable Electronics Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/05

Price

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Wearable electronics are smart electronic devices that can be connected to the internet and be worn on the body as accessories. These devices are a key segment of IoT devices, and they can exchange data through internet with the user and other connected devices. IoT overall is a network of physical objects interconnected through various network technologies. The objects part of this network can communicate among themselves and with external environment when required. Wearable electronics include smart watches, smart bands, smart rings, smart glasses, head-mounted displays (HMDs), and smart clothing. Wearable devices offer benefits like optimized decision-making, ease of handling emergencies, cost cutting, enhanced quality of living, remote control access, healthy lifestyle, time management, commercial benefit, and better safety. Technavio believes that this market will witness significant growth during the forecast period.

Electronic Shelf Label Market by Product Type (LCD, Segmented E-Paper, Full-Graphic E-Paper), Communication Technology (RF, IR, NFC), Store Type (Hypermarkets, Supermarkets, Others), Component, and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/05

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www.giiresearch.com/ce/352207

The ESL market is expected to be worth USD 392.3 million in 2017 and USD 1,424.8 million by 2023, at a CAGR of 23.98% between 2017 and 2023. The growth of the overall market can be attributed to driving factors such as increasing operational efficiency with real-time product positioning, more cost-efficient and less time-consuming alternative to paper labels, and trending retail automation. However, high expenses of installation and supporting infrastructure restrain the growth of the ESL market.

"The ESL market for display components is likely to grow at the highest CAGR during the forecast period"

The highest CAGR of the market for displays is attributed to the inclusion of various liquid crystal displays (LCDs) and full-graphic e-paper displays. The rapid adoption of full graphics and LCD ESLs is also propelling the demand for the display components among the end users. Information on LCDs are clearly visible, and even in narrow shelves, ESLs with small LCD screens are being installed for better visibility of products. A full-graphic e-paper ESL displays the price, QR code, barcode, and other messages on a single screen. These advantages of displays are accelerating the adoption of ESLs in the market.

Global and China Tire Pressure Monitoring System (TPMS) Industry Report, 2017-2021

Published by ResearchInChina

Pub. Date 2018/01/05

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www.giiresearch.com/ce/409482

As people have become more aware of driving safety and countries like the United States, EU, South Korea and China (Taiwan, Mainland) introduced mandatory standards on TPMS in recent years, global TPMS market, primarily OEM, has grown steadily. Global TPMS OEM market size was about 47.62 million sets with an installation rate of 50.1% in 2016. The figures for 2021 are expected to reach 81.27 million sets and 77.4%.

As mandatory European laws and regulations are implemented, Europe has surpassed the United States as the region with the largest demand worldwide, while China becomes the world's third largest TPMS market after Europe and the United States by virtue of its enormous automobile market. The three regions seize a market share of 37.1%, 25.4% and 16.1%, respectively.

Global Industrial Optoelectronic Sensors Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Pub. Date 2018/01/04

Price

USD 2500 PDF by E-mail (Single User License) ~

USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/599679

Global optoelectronics market Optoelectronics is a specific area based on electronics and the principle of light. It can be considered as a sub-field of photonics. Optoelectronic devices have the capability of transferring electrical signal to optical signal and vice-versa. This technology includes fiber optic communication, laser systems, remote sensing support, medical diagnostic systems, electric eye, and optical information systems.

Technavio's analysts forecast the global industrial optoelectronic sensors market to grow at a CAGR of 11.67% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global industrial optoelectronic sensors market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

AFA Performance Testing Framework, 2018

Published by IDC

Pub. Date 2018/01/04

Price

USD 3500 PDF by E-mail (Single User License)

www.giiresearch.com/ce/599379

This IDC study provides a framework for end users to use when testing all-flash arrays (AFAs). IDC performed substantial research to understand and document the unique performance characteristics of AFAs, evaluated various storage performance and other testing tools, and worked with array vendors as well as independent testing labs. The result is a proposed test plan that will allow end users to accurately and time efficiently characterize how AFAs will perform in their environments against their workloads. "AFAs exhibit unique performance characteristics that are very different from HDD-based storage architectures and are used with 3rd Platform computing workloads that have their own unique I/O profiles," said Eric Burgener, research director, Storage. "To understand how AFAs will perform against the real-world workloads for which they are being increasingly deployed, administrators must understand both of these factors and use them as inputs when designing AFA testing regimens."

RF Test Equipment Market by Type (Oscilloscopes, Signal Generators, Spectrum Analyzers, Network Analyzers), Form Factor (Benchtop, Portable, Modular), Frequency, Application (Telecommunication, Consumer Electronics), and Region - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/04

Price

USD 5650 PDF by E-mail (Single User License) ~

USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/599354

The RF test equipment market is expected to reach USD 3.21 billion by 2023 from USD 2.41 billion in 2017, at a CAGR of 4.92% between 2017 and 2023. The major factors driving the growth of the RF test equipment market include the growing adoption of wireless networking in in-building communication systems, rising focus on developing 5G network-based devices, and increasing deployment of IoT technology-based devices for various applications. However, the requirement of longer timelines and extended R&D for developing new communication technologies inhibit the overall RF test equipment market growth.

"The market for RF test equipment with more than 6 GHz frequency is expected to witness a significant growth between 2017 and 2023"

With the growing demand for 5G connectivity technology, the demand for RF test equipment with more than 6 GHz frequency is likely to be driven. In October 2017, Qualcomm (US) launched the Snapdragon X50 5G modem chipset. With this launch, the company is able to establish a 5G connection with unprecedented wireless broadband speeds, which is up to 5 gigabits per second download speeds, using multiple 5G carriers as well as is able to demonstrate over-the-air connection, using a tiny 28 GHz mmWave antenna module.

Nanosensors Market (By Product Type: Optical Nano Sensors, Electrochemical Nano Sensors, and Electromagnetic Nano Sensors; By Application: By Geography) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015 - 2024

Published by Variant Market Research LLP

Pub. Date 2018/01/04

Price

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www.giiresearch.com/ce/599395

As per the latest report published by Variant Market Research, Global Nanosensors Market is expected to reach \$5,550 Million by 2024 from \$85 Million in 2016, growing at a CAGR of 68.7% from 2016 to 2024. Nanosensors are any chemical, biological, surgical, or sensory points that are used to transmit information about nanoparticles to the macroscopic world. These are mostly used in the biomedical sector or the healthcare sector. Nanosensors are also used in the manufacture of other nanoproducts such as nanorobots. Nanosensors have caused a revolution in the semiconductor industry and are being used for the evaluation and better understanding of nanosystems. One of the major factors contributing to the growth of this market is the rise in demand for sophistication in healthcare.

Some of the factors such as low cost, compact size, energy efficient and eco-friendly & bulk manufacturing capability, and development of new applications for technologies that utilize nano and micro technology have boosted the growth of the global nanosensors market. However, limited availability of sensors supporting consumer electronics may act as the restraining factor for the growth of the market. Moreover, advancement in technology and ongoing R&D is likely to open up new growth opportunities for the market in the forecast period.

The global nanosensors market is classified on the basis of product type, application and geography. The product type segment is divided into electrochemical nano sensors, electromagnetic nano sensors, and optical nano sensors. Application segment includes biomedical and healthcare, automotive and aerospace, homeland defense, and other applications.

Flip Chip Technologies Market (By Bumping Technology: Copper Pillar, Solder Bumping, Gold Bumping; By Packaging Technology: By Packaging Type: By industry: By Geography) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015 - 2024

Published by Variant Market Research LLP

Pub. Date 2018/01/02

Price

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www.giiresearch.com/ce/599393

As per the latest report published by Variant Market Research, Global flip chip technologies market is estimated to reach \$54 billion by 2024; growing at a CAGR of 9.3% from 2016 to 2024. Flip chip, a semiconductor interconnecting device is commonly used in many electronic products like PCs, smartphones, and medical devices, among others. Flip chip technology offers various benefits such as total package size reduction, reduction in the silicon cost, decrease in signal inductance, and high signal density. Flip chip technology is widely used in various industry verticals such as IT & telecommunication, automotive & transport, electronics, industrial, healthcare, and aerospace and defence, among others.

Major factors driving the global flip chip technologies market are advantages of flip chip technology than the traditional wire bond electrical connection, evolving internet of things, and rising demand for miniaturization & high-performing electronic devices. However, huge initial investment essential to set up new manufacturing plant may hamper the market growth. Furthermore, high acceptance of sensors in electronic devices would unfold with numerous growth opportunities in the forecasted year.

Global Micro Displays Market By Technology (LCD, DLP, LCOS & OLED), By Type (Projection Vs. Near-to-Eye), By End User (Consumer Electronics, Military & Defense, Automotive & Others), By Region, Competition Forecast & Opportunities, 2012 - 2022

Published by TechSci Research

Pub. Date 2018/01/02

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USD 8000 Printable & Editable PDF by E-mail (Multi-User License)

www.giiresearch.com/ce/599122

Growing consumer awareness regarding highly advanced display technologies, increasing deployment of OLED micro displays in wearables and declining average selling prices of micro display devices are some of the other factors anticipated to aid the global micro displays market in the coming years.

According to "Global Micro Displays Market By Technology, By Type, By End User, By Region, Competition Forecast & Opportunities, 2012 - 2022", Global micro displays market is forecast to witness a CAGR of more than 20% through 2022. Growth is expected to be driven by increasing demand for micro displays from various end use segments, such as consumer electronics, military & defense, automotive, etc., owing to their innovative features such as high resolution, compact size, low electricity consumption and enhanced picture quality.

InGaAs Camera Market by Camera Cooling technology (Cooled camera, Uncooled Camera), Scanning Type (Area Scan Camera, Line Scan Camera), Application (Military & Defense, Industrial Automation, Scientific Research), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Pub. Date 2018/01/02

Price

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USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/599153

The InGaAs camera market is expected to be valued at USD 132.6 million by 2023 from USD 78.5 million in 2017, at a CAGR of 9.1% between 2017 and 2023. The major factors driving the growth of the InGaAs camera market include high demand for line scan InGaAs cameras for machine vision applications, high penetration of InGaAs cameras in military and defense, and increasing demand for InGaAs cameras in security, surveillance, and firefighting. The major factor restraining the growth of InGaAs camera market is the stringent import and export regulations on these cameras.

"Area scan cameras held a larger share of the InGaAs camera market in 2016"

In 2016, the area scan cameras held the largest share of the overall InGaAs camera market. The area scan camera has a matrix of pixels, which allows it to capture the image of a defined area. Compared with line scan cameras, area scan cameras are general-purpose cameras used in various applications such as industrial processing monitoring, industrial furnace monitoring, solar cell inspection, inspection sorting, driver vision enhancement, atmospheric obscuration imaging, and security and surveillance.

Niche Markets and Strategies for Small/Mid-size Semiconductor Equipment Companies

Published by Information Network

Pub. Date 2018/01/01

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www.giiresearch.com/ce/122068

In this report we identify and forecast areas of semiconductor-related technologies where a small or mid-sized company can compete. These high-tech applications segmented as those are fabricated on 300mm wafers and those built on non-300mm wafers.

The small business even with their limited resources can better serve these market segments by offering customized offerings, because the products of the big business will often be too generic to suit the needs of a niche market audience.

Table of Contents

Chapter 1 Introduction

Chapter 2 Niche Markets for PROCESSES for 300mm Wafers

Chapter 3 Niche Markets for EQUIPMENT for SUB 300mm Wafers

Asian Semiconductor Equipment Suppliers: Markets, Market Shares, Market Forecasts

Published by Information Network

Pub. Date 2018/01/01

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www.giiresearch.com/ce/344806

This report profiles the top 29 Asian (Japan, Korea, Taiwan) Companies making semiconductor process equipment. The report analyzes market shares for 29 equipment sectors, which includes Asian and Non-Asian manufacturers. Market forecasts to 2018 are presented for all 29 equipment sectors

Table of Contents

Chapter 1: Introduction

Chapter 2: Asian Semiconductor Equipment Suppliers - Profiles

Chapter 3: Market Business Sectors Shares and Forecast

Chapter 4: Semiconductor Industry Driving Forces

WEARABLES - ELECTRONICS AND SEMICONDUCTOR MARKETS

Published by Information Network

Pub. Date 2018/01/01

Price

USD 2495 PDF by E-mail ~

USD 2595 PDF by E-mail & Hard Copy

www.giiresearch.com/ce/326280

Beyond the fitness/health niches, all the general purpose wearables today are really a consumer "solution" that don't add much convenience to our lives - but still incur considerable cost and inconvenience of their own. That will change soon. The healthcare industry is one of the biggest opportunities for wearables, which will be used to provide data management and display systems, enabling doctors to, handle the flood of electronic health data and access it when they need it -- while examining a patient.

This report analyzes the wearable industry and markets for the two wearable camps described above. Forecasts are also presented for semiconductor content and markets for MEMs devices, sensors, CPUs and low-power MPUs, GPS, and connectivity chips.

Memory Chip Market by Type (Volatile (DRAM and SRAM) and Nonvolatile (PROM, EEPROM, NAND Flash, and Others)) and Application (Laptop/PCs, Camera, Smartphone, and Others) - Global Opportunity Analysis and Industry Forecast, 2017-2023

Published by Allied Market Research

Pub. Date 2018/01/01

Price

USD 3840 PDF by E-mail (Data Pack) ~

USD 7800 PDF by E-mail (Enterprise User License)

www.giiresearch.com/ce/603145

Memory chip is tiny wafer of semiconducting material, which is used to store information and data or process code. They are available in various shapes and sizes. Some can be connected directly, while some need special drives. They hold memory either temporarily through random access memory (RAM) or permanently through read only memory (ROM). Data in the ROM are permanently stored, which a processor can read but cannot modify. Memory chips are adopted across various application such as Laptop/PCs, smartphones, camera, wearables devices, and others.

Rise in smartphones penetration has driven the demand for memory chip market. Furthermore, high-density storage capability, quick read & write cycle, and availability of various shapes & sizes of memory chips have majorly fueled the adoption of memory chips in the digital domain. In addition, upsurge in adoption of smart devices and increase in demand from stabilizing PC industry are supplementing the market growth. However, easy corruption of memory chip restrains the growth of the market. On the contrary, growth in demand for memory chips in electronic devices is anticipated to provide lucrative opportunities for the manufacturers operating in the market.

Convergence of Semiconductors and Smart Technology - A Market Analysis

Published by Information Network

Pub. Date 2018/01/01

Price

USD 2495 PDF by E-mail ~

USD 2595 PDF by E-mail & Hard Copy

www.giiresearch.com/ce/326279

Microcontrollers (MCUs) used in Smart Cities, Smart Homes, Smart Industry, Smart Health, and Smart Transport (a subset of the Internet of Things (IoT)), represented just 10% of the overall MCU market in 2014. But in 2020, \$10 billion in MCUs, representing 40% of the total market, will be used in these applications.

MCUs provide local processing capability for the "real-time" embedded processing of most Smart Technology applications. Since utilization of MCUs in the various Smart Device applications vary significantly, a scalable family of devices from a manufacturer will be required, although 8-bit MCUs will predominate.

The MCU is part of a sensor network that is capable of performing some processing, gathering sensory information and communicating with other connected nodes in the network along with a transceiver and one or more sensors. These semiconductor devices are also analyzed in the report in terms of revenue and shipments for the period 2014 to 2020.

In 2014, Smart Cities will represent the largest application share of MCUs at 54. As other applications gain traction, Smart Cities' share will drop to 48% of MCU consumption in 2020 while Smart Home MCU consumption will increase the greatest at a compounded annual growth rate of 35%.

Transformer Report- 2018 - Ed 6

Published by StatPlan Energy Limited

Pub. Date 2018/01/01

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USD 6380 PDF by E-mail, 1-4 Users License With Database

www.giiresearch.com/ce/247102

This is the 6th edition of the StatPlan Transformer Report. The report sizes demand for power and distribution transformers in base year 2017 and forecasts sales from 2018 to 2022.

The report contains comprehensive quantitative data and qualitative analysis of the transformer markets, globally and for all regions and countries.

The markets for power and distribution transformers in 2017 in regions and major countries are analysed, with sales and the installed base by type of transformer and ownership. In an historical record, the six StatPlan Transformer Surveys are compared, with the installed base by type of transformer and ownership from 2012 to 2017.

The report predicts market trends in volume and value from 2017 to 2022, with the factors affecting price; input costs for raw materials, labour, energy and production capacity. Transformer production capacity is assessed in MVA by country and major manufacturer.

Production capacity in tonnes and manufacturers of electrical steel are analysed. Market shares in value of the leading transformer manufacturers are listed.

The changing landscape of generation and the networks with the growth of DER and renewables, energy efficiency, logistics, electrification and other issues are identified and discussed, with commentary on the impact on transformers.

Surge Protection Devices (SPDs)

Published by Global Industry Analysts, Inc.

Pub. Date 2018/01/01

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www.giiresearch.com/ce/115485

This report analyzes the worldwide markets for Surge Protection Devices (SPDs) in US\$ Thousand by the following Product Types: Plug-In, Hard-Wired, and Line Cord. The report also analyzes the Global market by the following End-Use Sectors: Communication, Consumer, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 88 companies including many key and niche players such as -

- ABB
- Advanced Protection Technologies Inc.
- Belkin international Inc.
- Bourns Inc.
- DEHN + SOHNE GmbH + Co. KG
- Eaton Corporation PLC

Intel Versus ARM in Mobile Devices and Netbooks/Smartbooks: Insight Into Critical Issues and Market Analysis

Published by Information Network

Pub. Date 2018/01/01

Price

USD 2495 PDF by E-mail ~

USD 2595 PDF by E-mail & Hard Copy

www.giiresearch.com/ce/338535

Currently ARM Holdings dominates the mobile Internet device (MID) market and Intel dominates the netbook market. Both companies are entering the other's market arena, which will soon affect the market for netbooks and MID, which are analyzed in this report.

Table of Contents

Chapter 1 Introduction

Chapter 2 Mobile Device Market

Chapter 3 Mobile Computing

Chapter 4 ARM Holdings

Chapter 5 Intel

Chapter 6 Other Netbook CPUs

Appendix

Global Fine Pixel Pitch LED Displays Market Research Report 2018

Published by QYResearch

Pub. Date 2018/01/01

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USD 2900 PDF by E-mail (Single User License) ~

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www.giiresearch.com/ce/376590

This report studies the Fine Pixel Pitch LED Displays market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Fine Pixel Pitch LED Displays market by product type and applications/end industries.

The global Fine Pixel Pitch LED Displays market is valued at 747.41 million USD in 2016 and is expected to reach 4544.39 million USD by the end of 2022, growing at a CAGR of 35.10% between 2016 and 2022.

The major players in global Fine Pixel Pitch LED Displays market include

- Leyard
- Liantronics
- Barco
- SANSI
- Elec-Tech International
- SiliconCore
- Triolion
- Unilumin
- Absen
- Christie
- AOTO Electronics
- Mary Photoelectricity
- Chip Optech
- Vtron

LEDinside 2018 Infrared Sensing Application Market Report

Published by TrendForce

Pub. Date 2018/01/01

Price

USD 6000 PDF by E-mail (Single User License)

www.giiresearch.com/ce/421315

Many smartphone companies have been developing 3D sensing embedded devices since Apple launched iPhone X featuring 3D sensor. LEDinside anticipates that the value of global infrared laser projector market for mobile 3D sensing is estimated to reach US\$246 million in 2017, and is forecast to grow to around US\$1.953 billion in 2020."

Infrared laser projector has three major components, including infrared laser (Vertical Cavity Surface Emitting Laser or Edge-Emitting Laser), WLO (Wafer Level Optics), and DOE (Diffractive Optical Elements), explains Joanne Wu, research manager of LEDinside. Current costs of infrared laser projector are around US\$3.5 to 6, but is estimated to decrease in the future as the technology advances and supply chain strategy improves, boosting the market demand as the result.

Current solutions for mobile 3D sensing include structured light and time of flight (ToF). iPhone X uses structured light and its dot projector produces more than 30,000 dots of infrared (IR) lights on the face. Then the infrared camera receives the light reflected back from the face to create a 3D facial landscape.

Global DC Electronic Load Market 2017 Demand, Insights, Key Players, Segmentation and Forecast to 2022

Published by QYResearch

Pub. Date 2018/01/01

Price

USD 2900 PDF by E-mail (Single User License) ~

USD 5800 PDF by E-mail (Enterprise Wide License)

www.giiresearch.com/ce/599716

This report studies the DC Electronic Load market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the DC Electronic Load market by product type and applications/end industries.

The global DC Electronic Load market is valued at 192.21 million USD in 2016 and is expected to reach 214.00 million USD by the end of 2022, growing at a CAGR of 1.81% between 2016 and 2022.

The major players in global DC Electronic Load market include

- Keysight (Agilent)
- Chroma
- ITECH
- Ametek
- NH Research
- Kikusui
- NF Corporation
- B&K Precision Corporation
- Unicorn
- Dahua Electronic
- Maynuo Electronic

Analog-to-Digital Converters Market by Product (Ramp ADC, Integrating ADC, Successive Approximation ADC, Delta-sigma ADC, & Others (Pipelined/Flash ADC)), & Application - Global Opportunity Analysis & Industry Forecast, 2017-2023

Published by Allied Market Research

Pub. Date 2018/01/01

Price

USD 3840 PDF by E-mail (Data Pack) ~

USD 7800 PDF by E-mail (Enterprise User License)

www.giiresearch.com/ce/603141

A digital circuit consists of microprocessors that are capable of processing only on digital signals, but not in the analog form. An analog-to-digital converter (ADC) is an electronic component that accepts analog (continuous) input and transforms it into digital (discrete) output. Such types of ADCs are placed at the front-end of any digital circuit, which processes analog signals from the exterior world. For example, a microphone converting the human voice into digital format.

The ADC market is positively impacted by the growing disposable income and increasing technological advancements, which fuel its growth. However, the complex design of the device impedes this growth. Furthermore, adoption of digitization of work processes by government in emerging economies, and continuous competitive pressure for high performance and enhanced efficiency of the device are expected to present numerous opportunities for market expansion.

Printed and Flexible Sensors

Published by Global Industry Analysts, Inc.

Pub. Date 2018/01/01

Price

USD 4500 PDF by E-mail (Single user license) ~

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www.giiresearch.com/ce/341969

This report analyzes the worldwide markets for Printed and Flexible Sensors in US\$. The Global market is further analyzed by the following Printed and Flexible Sensor Types Biosensors, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 46 companies including many key and niche players such as -

- Fujifilm Holdings Corporation
- GSI Technologies LLC
- Integrated Device Technology, Inc.
- Interlink Electronics, Inc.
- ISORG
- KWJ Engineering, Inc.