

Semiconductor Application Forecast (AMFT) Spotlight Service

Part of the Semiconductor Market Service Area Package

Comprehensive and flexible semiconductor and equipment forecast and analysis by geographical region and key vertical markets

“ Future growth in the semiconductors industry is inevitable, and AMFT is the best resource and service available in providing guidance about component and application market trends. ”

Myson Robles-Bruce
Senior Principal Analyst

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HOW OMDIA HELPS YOU

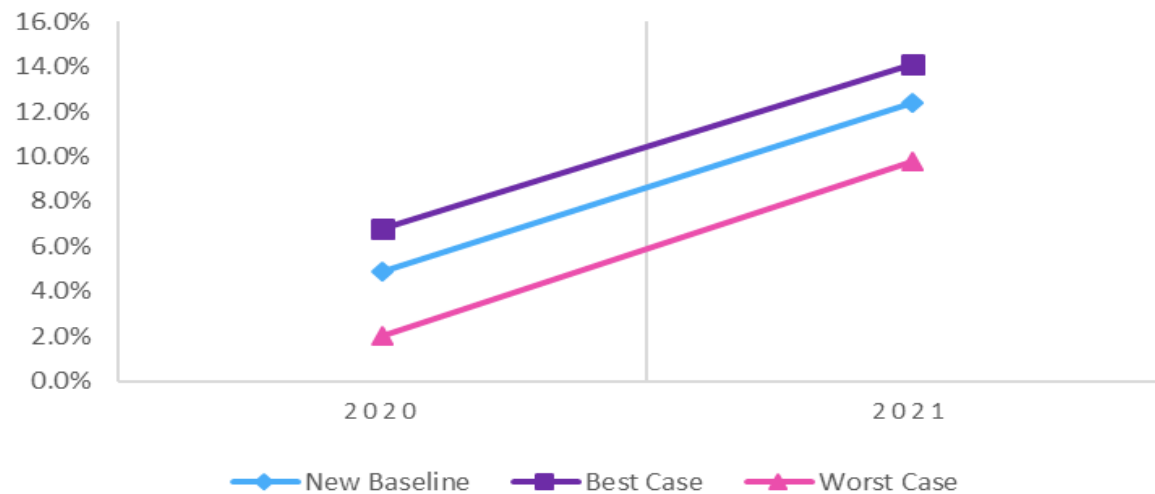
- Identify markets for entry or exit
- Anticipate demand for future production quantities and associated semiconductor costs
- Position services to target specific markets that offer the greatest revenue or growth opportunity

KEY QUESTIONS ADDRESSED

- What are the relative market growth opportunities in the various application equipment markets?
- Where should I direct my product development, sales and R&D investments?
- Are changes in my revenue due to competitive or market dynamics?
- Is my product mix aligned to the marketplace?
- What types of equipment or support products/services will be demanded in the future?

Total Semiconductors Market Growth Rate, by Revenue, 2020-2021

Semiconductors Industry



Source: Omdia

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Semiconductors Markets: Our Expert Analysts



Myson Robles-Bruce
Senior Principal Analyst
AMFT, DAT, OEM



Chee Seng Tan
Analyst
DAT, OEM



Hiroyoshi Takizawa
Senior Analyst
CLT



Hui He
Principal Analyst
China



Noman Akhtar
Analyst
Industrial



Paul Pickering
Senior Analyst
Industrial



Ron Ellwanger
Senior Analyst
CLT

Semiconductor Application Forecast (AMFT): Deliverables



ANALYST INSIGHTS

—Ongoing—

Frequent analyst commentary on market news and events impacting the semiconductor industry, with interim updates and podcasts



ANALYTICAL DATABASE TOOL

—Annual—

Tailored views of application equipment and/or semiconductor device market data. Historic and forecasted, delivered in Excel and in TRAX®, an online analysis tool.



ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions.

Semiconductor Application Forecast (AMFT): Market Data

Data by Application Markets

[Electronic equipment factory production data by application market](#) – provides factory shipments, revenue forecasts and annual growth rates by application equipment

[Semiconductor device data by application markets](#) – revenue forecasts for specific semiconductor components by application; presents the total revenue for the semiconductor devices selected and the revenue share that each application equipment category represents

Semiconductor device data by application markets

[Application market data by semiconductor devices](#) – presents semiconductor component revenue forecast within the application market selected. Also available for each semiconductor device is its share of the total semiconductor revenue of that application equipment

[Application market rankings](#) – ranks 100+ application markets for a semiconductor category based on market size (semiconductor revenue) or growth

Analysis

[Additional qualitative and comparative analysis](#) – quarterly executive summary with rationale, alongside separate files containing forecast assumptions and key changes. The Electronics Equipment & Semiconductor Forecast is a valuable comparison tool used to detail growth rate changes in equipment and semiconductor forecasts.

Semiconductor Application Forecast (AMFT): Research Coverage

THREE DIFFERENT DATABASES

World + Regions version

- 52 semiconductor segments
- 100+ application markets
- Annual forecasts
- Worldwide, Americas, EMEA, Japan, Asia-Pacific

Quarterly detail version

- 52 semiconductor segments
- 50+ application markets
- Quarterly forecasts
- Worldwide

Asia-Pacific version

- 52 semiconductor segments
- 100+ application markets
- Annual forecasts
- Total Asia-Pacific

Measures

- Semiconductor shipments revenue
- OEM factory revenue
- Unit production
- Manufacturing revenue

Market categories (100+ applications)

- Data processing
- Wired communications
- Wireless communications
- Consumer electronics
- Automotive electronics
- Industrial electronics

Regions

- Worldwide
- Americas
- EMEA
- Japan
- Asia-Pacific (China/Hong Kong, South Korea, Taiwan, Singapore/Malaysia, India, Rest of Asia-Pacific)

COMPONENT (50+ DEVICES/ SUBDEVICES)

Memory IC

- DRAM
- SRAM
- Flash memory (NAND, NOR)
- Other non-volatile memory
- Other memory

Microcomponent IC

- Microprocessor (general purpose, application specific)
- Microcontroller (4-bit, 8-bit, 16 bit, 32-bit)
- Digital Signal Processor (DSP ASSP, DSP ASIC, multipurpose & other DSP)

Logic IC

- General purpose logic (standard logic, display drivers, PLD)
- Logic application specific IC (logic ASSP, logic ASIC)

Analog IC

- General purpose analog (amplifier/comparator, voltage regulator/reference, data converters, interface)
- Analog application specific IC (analog ASSP, analog ASIC)

Discretes

- RF & microwave
- Power transistor & thyristor
- Rectifier & power diodes
- Small signal & other discretes

Optical semiconductor

- Image sensors (CCD, CMOS)
- Laser diodes
- LEDs
- Other optical

Sensors & actuators

Related Content: Semiconductor Market Service Area Coverage



Service Area Package: **Semiconductor Market**

China Semiconductor
Intelligence Service

Industrial Semiconductor
Intelligence Service

OEM Semiconductor Spending &
Design Activity
Intelligence Service

Semiconductor Application
Forecast AMFT Spotlight Service

Semiconductor Competitive
Landscape CLT Spotlight Service

About Omdia's Semiconductor Market Research

Omdia's leading semiconductor market research is provided by a highly experienced team of analysts. Many are industry veterans with deep technical background as well as hands-on market and product experience in their coverage area.

The foundation of all the coverage comes from primary research with the major semiconductor suppliers across the global industry. This insight feeds a global and regional view of the industry by technology and by application including historical and forecasted views presented through the CLT and AMFT solutions.

From this core data, the research is augmented through additional primary research to deliver China, Industrial and then an OEM spend and design activity views.

Related Content: Semiconductor Service Area Coverage

SERVICE AREA PACKAGE			
Memory & Storage	Semiconductor Components	Semiconductor Manufacturing	Semiconductor Market
<ul style="list-style-type: none"> • DRAM Memory Intelligence Service • Mobile & Embedded Memory Intelligence Service • NAND Memory Intelligence Service • SSD & HDD Storage Memory Intelligence Service 	<ul style="list-style-type: none"> • Key Mobile Component Price Service • LED Intelligence Service • MEMS & Sensors for Consumer & Mobile Intelligence Service • MEMS & Sensors Intelligence Service • Optoelectronic Components Report • Power Semiconductor Intelligence Service • Processors Spotlight Service (incl. MCU, Graphics & AI, Networking Infrastructure, System-on-Chip Trackers) 	<ul style="list-style-type: none"> • Global Semiconductor Manufacturing Market Tracker • Pure Play Foundry Market Tracker • Semiconductor Silicon Demand Forecast Tool 	<ul style="list-style-type: none"> • China Semiconductor Intelligence Service • Industrial Semiconductor Intelligence Service • OEM Semiconductor Spending & Design Activity Intelligence Service • Semiconductor Application Forecast AMFT Spotlight Service • Semiconductor Competitive Landscape CLT Spotlight Service

Our “Ask an Analyst” Service Provides Best in Class Customer Support

Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

Draw on our expertise

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- Understand more about our methodologies

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Tom Coate
Customer Success
Manager



Kâren Dyer
Customer Success
Manager



CONNECT WITH US

 @OmdiaHQ | [omnia.com](https://www.omnia.com)

Customer Success

E: customersuccess@omnia.com

SALES

US: +1 (212) 652 5335

APAC: +61 (0)396 016 700

EMEA: +44 (0)7771 980 316

ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.