

# MEMS & Sensors Intelligence Service

## Part of the Semiconductor Components Service Area Package

Complete coverage of the MEMS and sensors market, including analysis of the leading and potential applications using the technology

“ MEMS & Sensors is a mature market, but specific device families show important growth driven by trends that are reshaping the industry: image sensors in smartphones and in autonomous driving systems, magnetic sensors for electric vehicles, to mention some. ”

**Manuel Tagliavini**

Principal Analyst

# MEMS & Sensors Intelligence Service

Part of the Semiconductor Components Service Area Package

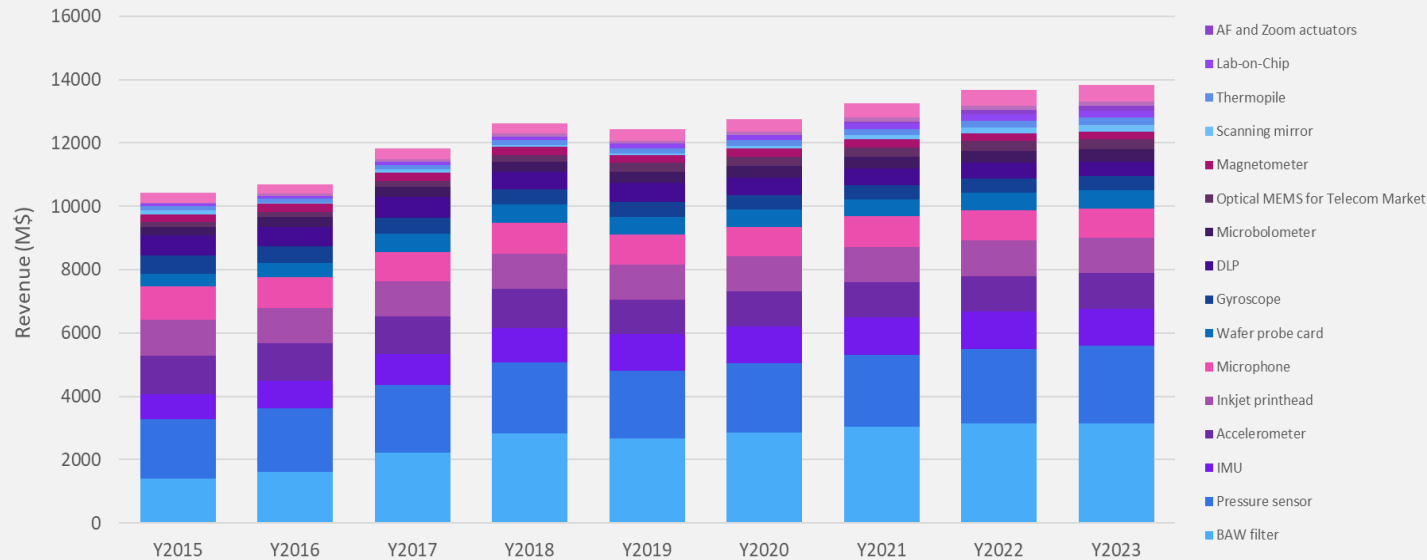
## HOW OMDIA HELPS YOU

- Wide-ranging examination of the MEMS and sensors market, including analysis of leading and potential applications using the technology
- Coverage includes detailed shipment and revenue forecasts, market share and ASP for 27 device categories across 8 applications, along with supplier competitive analysis

## KEY QUESTIONS ADDRESSED

- Who are the leading MEMS and sensors suppliers by application and device category?
- What is the market size and forecast for various types of MEMS devices by application?
- What are the opportunities for emerging MEMS and sensors?
- What is the impact of IoT on the MEMS and sensors market?

MEMS component revenue forecast by device family



# Semiconductor Components: Our Expert Analysts



**Kelson Astley**  
Senior Research  
Analyst



**Christopher Morris**  
Senior Research  
Analyst



**Paul Pickering**  
Senior Research  
Analyst



**Richard Eden**  
Principal Analyst



**Manuel Tagliavini**  
Principal Analyst



**Chee-Seng Tan**  
Research Analyst

# MEMS & Sensors: Deliverables



## MARKET TRACKERS

—Semi-annually—

MEMS Market Tracker



## DATABASE

—Annual—

High Value MEMS Database



## REPORT

—Annual—

MEMS Supplier Competitive Analysis  
Sensor Technologies Market Reports



## MARKET INSIGHTS

—Ongoing—

Frequent analyst commentary on product launches, market news and analysis.



## PRESENTATIONS

—Quarterly—

Quarterly scheduled briefings with analysts on research highlights from all aspects of the market.



## ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions.

# MEMS & Sensors: Market Tracker, Competitive Analysis, Database & Reports

## MEMS Market Tracker

**Frequency:** Semi-annually

**Measures:** Revenue, Unit shipment, ASP, Market Shares

Containing detailed shipment and revenue forecasts, market share and ASP information for 29 MEMS device categories across 8 applications fields

## High Value MEMS Database

**Frequency:** Annual

**Measures:** Revenue, Unit shipment, ASP, Market Shares

Covers 20+ MEMS devices in automation, energy, building, medical, test & instrumentation, military/aerospace and other industrial applications. Market shares by device and application for 140 suppliers addressing high value applications

## MEMS Supplier Competitive Analysis

**Frequency:** Annual

**Measures:** Revenue, Unit shipment, ASP, Market Shares

Provides graphical display of revenue share of 200+ MEMS fabless and IDM manufacturers as well as 30+ MEMS foundries; including analysis by 9 applications fields and 29 MEMS device categories

## Detailed Annual Topical Examinations of Sensor Technologies

**Measures:** Revenue, Unit shipment, ASP, Market Shares

Forecast and analysis of the strategic, technological and competitive landscape influencing market growth and development for the following:

- Magnetic Sensor
- MEMS & Sensors for IoT
- Image Sensor
- Temperature Sensor
- Light Sensor

# MEMS & Sensors: Reports

## Magnetic Sensor

9 measurement types and 4 technologies across 50+ applications including market share for key applications

### DETAILS

**Frequency:** Annual

**Measures:**

- 3D Hall (Linear position)
- Angular position
- Current
- Field
- Linear position
- Position
- Speed
- Switch
- Torque

**Regions**

- Worldwide

### COVERAGE

**Applications**

50+ sub-applications

- Automotive
- Consumer appliances
- Consumer electronics
- Data processing
- Energy generation & distribution
- IT Peripheral
- Manufacturing & process automation
- Medical electronics

- Military & civil aerospace
- Other industrial
- Power tools
- Wireless communications

**Technologies**

- Hall effect
- AMR
- GMR
- Other (MI, TMR)

## MEMS & Sensors for IoT

Reviews 150+ use cases of sensors and actuators for the Internet of Things, from wearables to smart cities and healthcare applications

### DETAILS

**Frequency:** Annual

**Measures:**

- Revenue
- Unit shipment
- ASP
- Market Shares

**Regions**

- Worldwide

### COVERAGE

- Inertial/vibration
- Environmental
- Pressure/flow
- Presence/motion
- Current & voltage
- Image
- Microphone
- Ultrasonic
- Others

# MEMS & Sensors: Reports

## Image Sensor

9 measurement types and key technologies across 14 applications including market share for key applications.

### DETAILS

**Frequency:** Annual

**Measures:**

- Revenue
- Unit shipment
- ASP
- Market shares

**Regions**

- Worldwide

### COVERAGE

- Smartphones
- Tablets
- Camcorder
- Consumer Drones
- Digital Still Camera
- Floor Care Appliance
- Robotic Appliance
- Smart Speakers
- TV
- Video games: console
- Video games: handset
- VR headsets
- And others Consumer app.

## Temperature Sensor

Reviews market for more than 70 applications in 30 categories for five main industrial sectors comprising automotive, computing and data storage, consumer electronics, industrial electronics, wired and wireless.

### DETAILS

**Frequency:** Annual

**Measures:**

- Revenue
- Unit shipment
- ASP
- Market Shares

**Regions**

- Worldwide

### COVERAGE

- Body & Convenience
- Infotainment
- Powertrain
- Data Center Server
- Desktop PC
- Notebook PC
- Hard disk drive
- Solid state drive
- Tablet PC
- Home appliances
- Set top box
- TV
- And other Industrial, Wired and Wireless app.

# MEMS & Sensors: Reports

## Light Sensor

Reviews 30+ applications from consumer through automotive and industrial applications. 15 sensor types covered from discrete ambient light, proximity, RGB, UV to any related combo sensor

### DETAILS

**Frequency:** Annual

**Measures:**

- Revenue
- Unit shipment
- ASP
- Market Shares

**Regions**

- Worldwide

### COVERAGE

- Ambient Light Sensors
- Proximity Sensors
- Color (RGB) sensors
- Gesture sensors (IR proximity)
- UV sensors
- Optical Heart Rate sensors
- Combo sensors (10+ types)



# MEMS & Sensors: Research Coverage

## MEMS DEVICES

- Accelerometers
- AF and Zoom actuators
- BAW filters
- Crash sensing (sound sensors)
- Deformable mirrors
- DLP
- Drug Delivery
- Energy scavengers
- Flow sensors
- Gas-Chemical sensors
- Gyroscopes
- Humidity sensor
- Inkjet printheads
- Joystick
- Lab-on-Chip
- Magnetometers
- MEMS flat panel display
- MEMS speakers
- Micro fuel cells
- Microbolometers
- Microphones
- Optical MEMS for telecom market
- Pressure
- Scanning mirrors
- Switches and varactors
- Thermopiles
- Timing devices
- Valves
- Wafer probe cards

## MEMS APPLICATION FIELDS

- Data processing
- Wired communication
- Wireless communication
- Consumer
- Automotive
- Industrial
- Medical electronics
- Aerospace and defense

# Related Content: Semiconductor Components Service Area Coverage



## Service Area Package: **Semiconductor Components**

LED  
Intelligence Service

MEMS & Sensors  
Intelligence Service

Microcontroller  
Market Tracker

Power Semiconductor  
Intelligence Service

Processors for Network  
Infrastructure Market Tracker

MEMS & Sensors for Consumer &  
Mobile Intelligence Service

Optoelectronic Components  
Report

Processors for Graphics &  
Artificial Intelligence Market Tracker

System-on-Chip (SoC)  
Market Tracker

Processors Spotlight Service

## About Omdia's Semiconductor Components Research

Omdia's leading semiconductor components 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 key component areas of processors and microcontrollers, MEMS and Sensors, Power discretes and modules, Power ICs, LED and Optical components are covered across numerous device categories and applications.

Their expertise is augmented and supported by the wide array of end equipment application and demand reporting, semiconductor manufacturing tracking and forecasting and spotlight services such as the semiconductor competitive landscape tool, the application market forecast tracker, the China semiconductor intelligence service and others.



# Related Content: Semiconductor Service Area Coverage

SERVICE AREA PACKAGE			
Memory & Storage	Semiconductor Components	Semiconductor Manufacturing	Semiconductor Market
<ul style="list-style-type: none"> <li>• DRAM Memory Intelligence Service</li> <li>• Mobile &amp; Embedded Memory Intelligence Service</li> <li>• NAND Memory Intelligence Service</li> <li>• SSD &amp; HDD Storage Memory Intelligence Service</li> </ul>	<ul style="list-style-type: none"> <li>• Key Mobile Component Price Intelligence Service</li> <li>• LED Intelligence Service</li> <li>• Magnetic Sensors Report - 2019</li> <li>• MEMS &amp; Sensors for Consumer &amp; Mobile Intelligence Service</li> <li>• MEMS &amp; Sensors Intelligence Service</li> <li>• Microcontroller Market Tracker</li> <li>• Optoelectronic Components Report - 2020</li> <li>• Power Semiconductor Intelligence Service</li> <li>• Processors for Graphics &amp; Artificial Intelligence Market Tracker</li> <li>• Processors for Network Infrastructure Market Tracker</li> <li>• Processors Spotlight Service</li> <li>• System-on-Chip (SoC) Market Tracker</li> </ul>	<ul style="list-style-type: none"> <li>• Global Semiconductor Manufacturing Market Tracker</li> <li>• Pure Play Foundry Market Tracker</li> <li>• Semiconductor Silicon Demand Forecast Tool</li> </ul>	<ul style="list-style-type: none"> <li>• China Semiconductor Intelligence Service</li> <li>• Design Activity Tool</li> <li>• Industrial Semiconductor Intelligence Service</li> <li>• OEM Semiconductor Spend Tracker</li> <li>• OEM Semiconductor Spending &amp; Design Activity Intelligence Service</li> <li>• Semiconductor Application Forecast AMFT Spotlight Service</li> <li>• Semiconductor Competitive Landscape CLT Spotlight Service</li> <li>• Semiconductor Forecast Scenario Tool</li> </ul>

# 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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- Get the most out of your subscription
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**Tom Coate**  
Customer Success  
Manager



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### Customer Success

E: [customersuccess@omdia.com](mailto:customersuccess@omdia.com)

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### 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.