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?
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

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

Applications
50+ sub-applications
• Revenue
• Unit shipment
• ASP
• Market Shares

Regions
• Worldwide
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

COVERAGE

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

Regions
• Worldwide
# 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

## MEMS APPLICATION FIELDS
- Data processing
- Wired communication
- Wireless communication
- Consumer
- Automotive
- Industrial
- Medical electronics
- Aerospace and defense
Related Content: Semiconductor Components Service Area Coverage

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

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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.

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Customer Success
E: customersuccess@omdia.com

SALES
US: +1 (212) 652 5335
APAC: +61 (0)396 016 700
EMEA: +44 (0)7771 980 316