



TECHNOLOGY, MEDIA & TELECOM INTELLIGENCE SERVICE

## MEMS & Sensors

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

Real time access to a continuous flow of research across geographies, topics and application areas:

### Market Insights

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

### Market Trackers

Historic and forecasted, delivered in Excel, accompanied by written analysis.

### Reports

Annual topical report addressing key focus areas with in-depth analysis on market and technology trends.

### Analyst Access

For prompt responses to urgent and unique questions.

### FEATURED TOPICS

- Impact of IoT on the MEMS and sensor market
- MEMS and sensor price trends
- Opportunities for emerging MEMS & sensors
- Comprehensive MEMS & sensors supplier analysis
- Magnetic sensors
- Light sensors
- Fingerprint sensors

### Clients of this Intelligence Service will receive:

**MEMS Market Tracker** – containing detailed shipment and revenue forecasts, market share and ASP information for 29 MEMS device categories across 8 applications fields; updated semi-annually

**MEMS Supplier Competitive Analysis** – 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; annual

**High Value MEMS Database** – 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; annual

**Detailed annual topical examinations of sensor technologies** – forecast and analysis of the strategic, technological and competitive landscape influencing market growth and development for the following:

- **Magnetic Sensor** – 9 measurement types and 4 technologies across 50+ applications including market share for key applications
- **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.
- **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.
- **Fingerprint Sensor** – reviews market for handsets, tablets and laptops. Forecast broken out by sensor type (swipe, touch, touchscreen).

## Research Coverage

MEMS Devices		MEMS Application Fields
<ul style="list-style-type: none"> <li>Accelerometers</li> <li>AF and Zoom actuators</li> <li>BAW filters</li> <li>Crash sensing (sound sensors)</li> <li>Deformable mirrors</li> <li>DLP</li> <li>Drug Delivery</li> <li>Energy scavengers</li> <li>Flow sensors</li> <li>Gas-Chemical sensors</li> <li>Gyroscopes</li> <li>Humidity sensor</li> <li>Inkjet printheads</li> <li>Joystick</li> <li>Lab-on-Chip</li> </ul>	<ul style="list-style-type: none"> <li>Magnetometers</li> <li>MEMS flat panel display</li> <li>MEMS speakers</li> <li>Micro fuel cells</li> <li>Microbolometers</li> <li>Microphones</li> <li>Optical MEMS for telecom market</li> <li>Pressure</li> <li>Scanning mirrors</li> <li>Switches and varactors</li> <li>Thermopiles</li> <li>Timing devices</li> <li>Valves</li> <li>Wafer probe cards</li> </ul>	<ul style="list-style-type: none"> <li>Data processing</li> <li>Wired communication</li> <li>Wireless communication</li> <li>Consumer</li> <li>Automotive</li> <li>Industrial</li> <li>Medical electronics</li> <li>Aerospace and defense</li> </ul>
Magnetic Sensor Technologies	Magnetic Sensor Applications	Magnetic Sensor Measurements
<ul style="list-style-type: none"> <li>Hall effect</li> <li>AMR</li> <li>GMR</li> <li>Other (MI, TMR)</li> </ul>	<ul style="list-style-type: none"> <li>50+ sub-applications</li> <li>Automotive</li> <li>Consumer appliances</li> <li>Consumer electronics</li> <li>Data processing</li> <li>Energy generation &amp; distribution</li> <li>IT Peripheral</li> <li>Manufacturing &amp; process automation</li> <li>Medical electronics</li> <li>Military &amp; civil aerospace</li> <li>Other industrial</li> <li>Power tools</li> <li>Wireless communications</li> </ul>	<ul style="list-style-type: none"> <li>3D Hall (Linear position)</li> <li>Angular position</li> <li>Current</li> <li>Field</li> <li>Linear position</li> <li>Position</li> <li>Speed</li> <li>Switch</li> <li>Torque</li> </ul>
Light Sensor Devices	Fingerprint Sensor Technologies	Sensor categories for IoT
<ul style="list-style-type: none"> <li>Ambient Light Sensors</li> <li>Proximity Sensors</li> <li>Color (RGB) sensors</li> <li>Gesture sensors (IR proximity)</li> <li>UV sensors</li> <li>Optical Heart Rate sensors</li> <li>Combo sensors (10+ types)</li> </ul>	<ul style="list-style-type: none"> <li>Swipe</li> <li>Touch</li> <li>Touchscreen</li> </ul>	<ul style="list-style-type: none"> <li>Inertial/vibration</li> <li>Environmental</li> <li>Pressure/flow</li> <li>Presence/motion</li> <li>Current &amp; voltage</li> <li>Image</li> <li>Microphone</li> <li>Ultrasonic</li> <li>Others</li> </ul>
Measures		Related Research
<ul style="list-style-type: none"> <li>Revenue</li> <li>Unit shipment</li> </ul>	<ul style="list-style-type: none"> <li>ASP</li> <li>Market Shares</li> </ul>	<ul style="list-style-type: none"> <li>MEMS &amp; Sensors for Consumer &amp; Mobile</li> <li>Automotive Sensor</li> </ul>

For more information [ihsmarket.com/technology](https://www.ihsmarket.com/technology)

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### About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.