IHS Markit™

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

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.

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

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

Magnetic Sensor Technologies

Hall effect
AMR
GMR
Other (MI, TMR)

Magnetic Sensor 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

Magnetic Sensor Measurements

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

Light Sensor Devices

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

Fingerprint Sensor Technologies

Swipe
Touch
Touchscreen

Sensor categories for IoT

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

Measures

Revenue
Unit shipment

ASP
Market Shares

Related Research

MEMS & Sensors for Consumer & Mobile
Automotive Sensor

For more information ihmarkit.com/technology

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.