

Electronic Nose Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Electronic Nose Trends and Forecast

The future of the global electronic nose market looks promising with opportunities in the military and defense, healthcare, food and beverage, and waste management (environmental monitoring) markets. The global electronic nose market is expected to reach an estimated \$50.1 billion by 2030 with a CAGR of 11.8% from 2024 to 2030. The major drivers for this market are emergence of AI and neuromorphic computing in e-nose technology, and growing use of e-nose in the food industry so as to monitor quality, self-life investigation, and authenticity assessment.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Electronic Nose by Segment

The study includes a forecast for the global electronic nose by type, technology type, end use industry, technology, and region

Electronic Nose Market by Type [Shipment Analysis by Value from 2018 to 2030]:

Embedded Sensors

Portable Devices

Electronic Nose Market by Technology Type [Shipment Analysis by Value from 2018 to 2030]:

Metal Oxide Semi-Conductor Sensors (MOS)

Quartz Crystal Microbalance (QCM)

Conducting Polymers (CP)

Others

Electronic Nose Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Military and Defense

Healthcare

Food and Beverage

Waste Management (Environmental Monitoring)

Others

Electronic Nose Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Electronic Nose Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies electronic nose companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the electronic nose companies profiled in this report include-

Sensigent

Stratuscent

Brechbuehler

Scensive Technology

Comon Invent

Airsense

Alpha Mos

Odotech

Electronic Sensor Technology

Enose

Electronic Nose Market Insights

Lucintel forecasts that portable devices is expected to witness highest growth over the forecast period.

Within this market, food and beverage will remain the largest segment.

North America is expected to witness highest growth over the forecast period.

Features of the Global Electronic Nose Market

Market Size Estimates: Electronic nose market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Electronic nose market size by type, technology type, end use industry, and region in terms of value (\$B).

Regional Analysis: Electronic nose market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different types, technology types, end use industries, and regions for the electronic nose market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the electronic nose market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q.1 What is the electronic nose market size?

Answer: The global electronic nose market is expected to reach an estimated \$50.1 billion by 2030.

Q.2 What is the growth forecast for electronic nose market?

Answer: The global electronic nose market is expected to grow with a CAGR of 11.8% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the electronic nose market?

Answer: The major drivers for this market are emergence of AI and neuromorphic computing in e-nose technology, and growing use of e-nose in the food industry so as to monitor quality, self-life investigation, and authenticity assessment.

Q4. What are the major segments for electronic nose market?

Answer: The future of the global electronic nose market looks promising with opportunities in the military and defense, healthcare, food and beverage, and waste management (environmental monitoring) markets.

Q5. Who are the key electronic nose market companies?

Answer: Some of the key electronic nose companies are as follows:

Sensigent

Stratuscent

Brechbuehler

Scensive Technology

Comon Invent

Airsense

Alpha MOS

Odotech

Electronic Sensor Technology

Enose

Q6. Which electronic nose market segment will be the largest in future?

Answer: Lucintel forecasts that portable devices is expected to witness highest growth over the forecast period.

Q7. In electronic nose market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to witness highest growth over the forecast period.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the electronic nose market by type (embedded sensors and portable devices), technology type (metal oxide semi-conductor sensors (MOS), quartz crystal microbalance (QCM), conducting polymers (CP), and others), end use industry (military and defense, healthcare, food and beverage, waste management (environmental monitoring), and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to electronic nose market or related to electronic nose companies, electronic nose market size, electronic nose market share, electronic nose market growth, electronic nose market research, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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