

# Global Ultrasonic Sensor for Sweeping Robot Market Growth 2025-2031

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## Abstracts

The global Ultrasonic Sensor for Sweeping Robot market size is predicted to grow from US\$ 886 million in 2025 to US\$ 1319 million in 2031; it is expected to grow at a CAGR of 6.8% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

The Ultrasonic Sensor for Sweeping Robot measures target distance via the propagation speed of high-frequency sound waves (343 m/s) in air. By emitting ultrasonic pulses and analyzing echo delays, it detects low-height, non-transparent obstacles in real-time, with strong anti-interference capabilities for obstacle avoidance, edge-following, or fall prevention in complex indoor environments, even for low-reflectivity objects like glass or furniture legs.

Typical products include: TDK's CH101, CH201, etc.

United States market for Ultrasonic Sensor for Sweeping Robot is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Ultrasonic Sensor for Sweeping Robot is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Ultrasonic Sensor for Sweeping Robot is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Ultrasonic Sensor for Sweeping Robot players cover Texas Instruments, Infineon Technologies AG, ams-OSRAM AG, TDK Corporation, NXP Semiconductors, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Ultrasonic Sensor for Sweeping Robot Industry Forecast” looks at past sales and reviews total world Ultrasonic Sensor for Sweeping Robot sales in 2024, providing a comprehensive analysis by region and market sector of projected Ultrasonic Sensor for Sweeping Robot sales for 2025 through 2031. With Ultrasonic Sensor for Sweeping Robot sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Ultrasonic Sensor for Sweeping Robot industry.

This Insight Report provides a comprehensive analysis of the global Ultrasonic Sensor for Sweeping Robot landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Ultrasonic Sensor for Sweeping Robot portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Ultrasonic Sensor for Sweeping Robot market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Ultrasonic Sensor for Sweeping Robot and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Ultrasonic Sensor for Sweeping Robot.

This report presents a comprehensive overview, market shares, and growth opportunities of Ultrasonic Sensor for Sweeping Robot market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Sensing Ranges Below 2m

Sensing Ranges 2-5m

Sensing Ranges Above 5m

Segmentation by Application:

Home Sweeping Robot

Commercial Sweeping Robot

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Texas Instruments

Infineon Technologies AG

ams-OSRAM AG

TDK Corporation

NXP Semiconductors

TE Connectivity

TOSHIBA

SICK AG

Pepperl+Fuchs

Hanwei Electronics Group Corporation

Audiowell Electronics (Guangdong) Co., Ltd.

Shenzhen Jingci Technological Co., Ltd.

Guangdong DECI Technology Co., Ltd

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Ultrasonic Sensor for Sweeping Robot market?

What factors are driving Ultrasonic Sensor for Sweeping Robot market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Ultrasonic Sensor for Sweeping Robot market opportunities vary by end market size?

How does Ultrasonic Sensor for Sweeping Robot break out by Type, by Application?

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