Consumer Robotics: Global Market Analysis and Forecasts

Description: Household Robots, Vacuum Robots, Lawn Mowing Robots, Pool Cleaning Robots, Personal Assistant Robots, and Toy and Educational Robots

Consumer robots have been a mainstay of popular culture for more than 50 years, fueling the notion that, eventually, robots would be an important part of our daily lives. While the vision of robotic companions and servants has remained largely unfulfilled, the industry is now in a period of renewed interest in consumer robotics, as the market evolves beyond the traditional realm of household cleaning robots and into an era that will be filled with increasingly capable toy and educational robots, robotic personal assistants, and family companions.

Consumer robotic companies are charting a new course using artificial intelligence (AI) and machine learning to make their robots smarter, with the possibility of extending their capabilities and integrating with other smart home devices in the future. Meanwhile, machine vision, voice recognition, tactile sensors, and gesture recognition are all being incorporated into consumer robots, as well, as the consumer market benefits from technology innovations originally created for enterprise and industrial markets. Silicon Valley is becoming a hotbed for consumer robotic startups, and the emergence of hardware incubators is simplifying the challenges of supply chain management and manufacturing for innovative companies worldwide. At the same time, the developed world is aging rapidly, and consumer robots are emerging as a key solution to the increasing challenges of eldercare. The next phase of the consumer robotics revolution is well and truly underway, and the next 5 years will set the stage for how these robots could fundamentally transform our homes and daily lives.

This report covers the market for consumer robotics, which includes household robots like vacuum cleaning robots, pool cleaning robots, robot lawn mowers, and personal assistant robots, as well as toy and educational robots. The report includes coverage of the market drivers and barriers, the technology issues, profiles of the key companies in the space, and market forecasts for consumer robotics during the period from 2015 through 2020. The market forecasts provide regional segmentation, application market breakdowns, and attach rates for key enabling robotics technologies and connectivity technologies.

Key Questions Addressed:
- What is the state of consumer robotics market today, and how will the sector evolve over the next 5 years?
- What are the key application markets within consumer robotics, and what are the key drivers of growth within each segment?
- What impact will cloud robotics have on consumer robots?
- How will the dynamics of consumer demand for robots vary in North America, Asia Pacific, and Europe?
- What are the attach rates for technologies like machine vision, voice recognition, gesture control, tactile sensors, Bluetooth, and Wi-Fi within consumer robotics?

Key Market Forecasts
- Consumer Robotics Shipments by Application Category, World Markets: 2015-2020
- Consumer Robotics Shipments and Revenue by Region, World Markets: 2015-2020
- Consumer Robotics Revenue by Application Market, World Markets: 2015-2020
- Consumer Robotics Technology Attach Rates, World Markets: 2015-2020
- Consumer Robotics Shipments by Technology, World Markets: 2015-2020
- Consumer Robotics Shipments by Connectivity Technology, World Markets: 2015-2020

Technologies
- Gesture control
- Machine learning
- Machine vision
- Tactile sensors
- Voice and speech recognition
- Bluetooth
Wi-Fi Application Markets
- Robotic lawn mowers
- Robotic personal assistants
- Robotic pool cleaners
- Robotic vacuum cleaners
- Toy and educational robots

Who Needs This Report?
- Robot manufacturers
- Semiconductor and component suppliers
- Software and application developers
- Toy and educational product companies
- Industry organizations
- Investor community

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