

Cleaning Robots: Market Shares, Strategies, and Forecasts, Worldwide, 2012-2018

<https://marketpublishers.com/r/C371B79B423EN.html>

Date: October 2014

Pages: 418

Price: US\$ 3,900.00 (Single User License)

ID: C371B79B423EN

Abstracts

LEXINGTON, Massachusetts (November 1, 2014) – WinterGreen Research announces that it has published a new study *Cleaning Robots: Market Shares, Strategy, and Forecasts, Worldwide, 2014 to 2020*. The 2014 study has 319 pages, 109 tables and figures. Worldwide Cleaning Robots markets are increasingly diversified, poised to achieve significant growth as new technology is used in every part of the home.

The automated process revolution in business process and communications is being extended to home cleaning robots. Household robot market driving forces are aspects of automated process applied to the home for achieving better use of time, creating more time for people. Using robots to replace manual cleaning is a compelling shift in managing a household. Robots for cleaning are very useful.

Robots automating cleaning systems give a chance to run the vacuum every day and keep the home cleaner while at the same time leaving more time for leisure activities. Innovation is the result of ongoing performance improvement in the areas of product development and customer support. Markets have increasing competition. Products from market leading vendors continue to compete favorably. New products and enhancements provide ease of use. Better batteries let products run for longer periods.

The principal competitive factors in the market for cleaning robots include performance, cost of purchase, length batteries work, and total cost of system operation. The cost of unit maintenance and support is a competitive aspect. Products compete based on ease of use, integration with existing equipment, quality, reliability, customer support, brand, and reputation.

Robotics related innovations improve demand. Robots for cleaning address a broader

part of the potential customer base as the technology matures. Use of robots for cleaning is becoming more accepted. Products are becoming more diverse. With the technical improvements in sensors, visualization, and in the fields of robotic hobby, recreation, and warfare, robots are becoming less expensive and more adaptive to the cleaning task.

The rise of futuristic cutting edge industries and the decline of manufacturing industries gives rise to market conditions that support the evolution of more elaborate, smaller, less expensive cleaning robots. The robot industry today is expanding from industrial areas to fields where robots can be used in the same areas with humans. Robots have gained credibility and higher adoption rates for home cleaning.

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the study, "The opportunity to participate in home cleaning robot markets is broadly open as the technologies are available to construct a system. In the case of personal robots cleaning functions are accompanied by medical, welfare, education, service, and educational functional capabilities. The robot industry follows the semiconductor industry. Sales in 2013 for home cleaning robots are small compared to what will be achieved by 2020. The home cleaning industry market is anticipated to expand to the size of a \$9 billion market as every household is equipped with one or more cleaning robots. Cleaning robots will achieve their fair share of this."

Vacuum cleaner robots are forecast to grow rapidly from \$981 million in 2013 to \$2.6 billion by 2020 because units provide automated process that implements effective cleaning power. Vacuuming with the added convenience of automated performance is sure to fill the gap for people who have less available time to clean their homes.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial. WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises.

The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Contents

CLEANING ROBOTS EXECUTIVE SUMMARY

Robotic Vacuum Market Driving Forces
 Cleaning Robotics Market Driving Forces
 Cleaning Robot Market Driving Forces
Robotic Vacuum Cleaner Market Shares
Robotic Vacuum Cleaner Market Forecasts

1. HOUSEHOLD ROBOT CLEANING MARKET DESCRIPTION AND MARKET DYNAMICS

1.1 Robotic Automation Potential
 1.1.1 Robots Find A Place in the Cleaning Tasks
 1.1.2 Robots Make Cleaning More Efficient
1.2 Seizing the Robotics Opportunity
 1.2.1 Modular Self-Reconfiguring Robotic Systems
 1.2.2 Robot Vacuum Product Launches
1.3 Public Aware That Robotics Have “Arrived”
1.4 Next Generation Service Robotics --
1.5 Domestic Robots
1.6 Market Research Risk Mitigation

2. CLEANING ROBOTS MARKET SHARES AND FORECASTS

2.1 Robotic Vacuum Market Driving Forces
 2.1.1 Cleaning Robotics Market Driving Forces
 2.1.2 Cleaning Robot Market Driving Forces
2.2 Robotic Vacuum Cleaner Market Shares
 2.2.1 iRobot Roomba Vacuum Cleaning Robot
 2.2.2 Samsung NaviBot
 2.2.3 Samsung
 2.2.4 LG Roboking
 2.2.5 Dyson Radial Root Cyclone Technology
 2.2.6 Matustek
 2.2.7 Yujin Robotics
 2.2.8 Panasonic Nanotechnology Cleaning Robot
2.3 Robotic Vacuum Cleaner Market Forecasts

2.3.1 Home Vacuum Cleaning Robot Market Segment Analysis, Top Of The Line, Classic, And Low End Basic Market Forecasts

2.3.2 Home Vacuum Cleaner Robot Shipments Market Forecasts, Units

2.3.3 Number Of Households And Percent Unit Penetration Of Robot Vacuums Analysis

2.3.1 Households and Population

2.3.2 Vacuum Cleaning Robot Regional Analysis Dollars and Units, By Region, 2014-2020

2.3.3 Residential Vacuum Cleaning Robot Markets

2.4 Cleaning Robot Prices

2.4.1 LG Electronics LRV5900 Robot Vacuum Prices

2.4.2 Robotic Cleaner Prices

2.4.3 LG Robot vac on Google

2.5 Vacuum Cleaning Robot Regional Market Analysis

2.5.1 iRobot Domestic and International

2.5.2 Korea

3. CLEANING ROBOTS PRODUCT DESCRIPTION

3.1 iRobot Roomba Vacuum Cleaning Robot

3.1.1 iRobot 800 Series AeroForce Performance Cleaning System Home Cleaning Robots

3.1.2 iRobot Roomba 790

3.1.3 iRobot 500 Series

3.1.4 iRobot Real World Environment Dynamic Robotic Operations

3.1.5 iRobot Allows Users To Interact And Instruct Movement In Intuitive Ways

3.1.6 iRobot Products For Kitchen Cleaning

3.2 Samsung Navibot

3.2.1 Samsung NaviBot Light

3.2.2 Samsung Navibot S Robot Vacuum

3.2.3 Samsung VC-RM72VR Dual CPU Automatic Robot Vacuum

3.2.4 Samsung Robot Vacuum Navigation

3.3 LG Roboking

3.3.1 LG Roboking Bagless Robot Vacuum

3.3.2 LG HOM-BOT

3.3.3 LG Electronic HOM-BOT SQUARE VR6260LVM

3.3.4 LG HomBot 3.0 Robotic Vacuum

3.3.5 LG Electronics Motor

3.3.6 LG Electronics Lithium Polymer Batteries

- 3.4 Dyson 360 Eye Cleaning Robot
 - 3.4.1 Dyson Radial Root Cyclone Technology
 - 3.4.2 Dyson Link App
- 3.5 Google
- 3.6 Metapo
 - 3.6.1 Metapo CleanMate QQ2 Plus Robotic Vacuum Cleaner with Scheduler, White
 - 3.6.2 Metapo CleanMate QQ5 Plus
- 3.7 Infinvo Hovo 510
- 3.8 Neato BotVac Series
- 3.9 Matsutek
- 3.10 Miele International Enters The Robot Vacuum Cleaner Market
 - 3.10.1 Miele International Scout RX1 Benchmark
- 3.11 Mamirobot KF7 Series
- 3.12 P3 Robotic Vacuum
- 3.13 Yujin Robot iCLEBO POP
 - 3.13.1 Yujin Robot iCLEBO ARTE
- 3.14 Karcher Robocleaner RC 3000
- 3.15 Hanool Robotics'
 - 2.5.3 Metapo CleanMate QQ2 Plus Robotic Vacuum Cleaner with Scheduler, White
- 3.16 Hayward TigerShark
 - 3.16.1 Hayward TigerShark 2
 - 3.16.2 Hayward SharkVac
 - 3.16.3 Hayward SharkVAC XL
 - 3.16.4 Hayward Navigator Pro
 - 3.16.5 Hayward AquaBug
 - 3.16.6 Hayward Diver Dave
 - 3.16.7 Hayward Wanda the Whale
 - 3.16.8 Hayward AquaRay
- 3.17 Pentair Robotic Cleaner
 - 3.17.1 Pentair Kreepy Krauly Prowler 830
 - 3.17.2 Pentair Kreepy Krauly Prowler 820 Robotic Inground Pool Cleaner
- 3.18 Zodiac Pool Systems Polaris 9550 Sport
- 3.19 Maytronics Residential Robots
 - 3.19.1 Maytronics Commercial Robots
 - 3.19.2 Maytronics Natural Pool Robots
 - 3.19.3 Maytronics Suction Robots
 - 3.19.4 Maytronics hybrid DX2
 - 3.19.5 Maytronics hybrid RS1
 - 3.19.6 Maytronics hybrid Platinum

ROBOT TECHNOLOGY

- 4.1 Robotics Industry Technology Synergies
 - 4.1.1 iRobot Technology
 - 4.1.2 iRobot Roomba 564 Core Technologies:
 - 4.1.3 iRobot iAdapt Responsive Cleaning Technology:
 - 4.1.4 Cleaning Robotics Enabling Technology
 - 4.1.5 iRobot Real-World, Dynamic Sensing
 - 4.1.6 iRobot / Advanced Scientifics Concepts
 - 4.1.7 iRobot / ICx Technologies
 - 4.1.8 iRobot User-Friendly Interfaces
- 4.2 Vacuum Sensors
 - 4.2.1 Vacuum Robotic Lasers
 - 4.2.2 iRobot Technology Strategy
- 4.3 Swimming Pool Cleaner Robotic Technology
 - 4.3.1 Automatic Suction-Side Cleaners
 - 4.3.2 Robotic Automatic Pool Cleaners
- 4.4 Cleaning Robot Key Technology Needs
- 4.5 Cleaning Robots and Pets
 - 4.5.1 Pet Reactions To A Robot
- 4.6 Evolution Robotics Technology Solutions
 - 4.6.1 Evolution Robotics Example Applications
 - 4.6.2 Visual Simultaneous Localization & Mapping
- 4.7 Classification Of Industrial Robots By Mechanical Structure
 - 4.7.1 Robots By Type
 - 4.7.2 Classification Of Industrial Robots By Mechanical Structure II
- 4.8 Open Robotic Control Software
 - 4.8.1 PC-Bots
- 4.9 Advanced Robot Technology: Navigation, Mobility, And Manipulation
 - 4.9.1 Robot Intelligence Systems
 - 4.9.2 Real-World, Dynamic Sensing
- 4.10 User-Friendly Interfaces
 - 4.10.1 Tightly-Integrated, Electromechanical Robot Design
- 4.11 Field Based Robotics Iterative Development
 - 4.11.1 Next-Generation Products Leverage Model
 - 4.11.2 Modular Robot Structure And Control
 - 4.11.3 Lattice Architectures
 - 4.11.4 Chain / Tree Architectures

- 4.11.5 Deterministic Reconfiguration
- 4.11.6 Stochastic Reconfiguration
- 4.11.7 Modular Robotic Systems
- 4.12 Autonomous Modular Robotics Used in Space
- 4.13 Telepario
- 4.14 Self-Reproducing Machines
 - 4.14.1 M-TRAN Modular Transformer
- 4.15 Attitude Control In Space By Control Moment Gyros
- 4.16 Robotics Government Regulations
- 4.17 Segway Mobile Robotic Technology
 - 4.17.1 Segway Brains And The Brawn
- 4.18 Hitachi Configuration Of Robots Using The SuperH Family
 - 4.18.1 Hitachi Concept of MMU And Logic Space
- 4.19 Pool Cleaner Parts Work Together
 - 4.19.1 AquaBot Pool Cleaner Technology

5. ROBOT COMPANY DESCRIPTION

- 5.1 Bandai
- 5.2 Coroware
- 5.3 Dyson
 - 5.3.1 Dyson 360 Eye Robot
 - 5.3.2 Dyson Innovation Techniques
- 5.4 Electrolux
 - 5.4.1 Electrolux Revenue
- 5.5 Fluidra
 - 5.5.1 Fluidra Revenue
 - 5.5.2 Fluidra Systems And Components For Both Private And Public Swimming Pools
 - 5.5.3 Fluidra Commercial Pools
 - 5.5.4 Fluidra Group / Aqua Products
 - 5.5.5 Aqua Products Cleaner Brand Positioning
 - 5.5.6 Aqua Products Research and Development Labs
- 5.6 Google
 - 5.6.1 Google / Boston Dynamics
 - 5.6.2 Boston Dynamics
 - 5.6.3 Boston Dynamics LS3 - Legged Squad Support Systems
 - 5.6.4 Boston Dynamics CHEETAH - Fastest Legged Robot
 - 5.6.5 Boston Dynamics Atlas - The Agile Anthropomorphic Robot
 - 5.6.6 Boston Dynamics BigDog

- 5.6.7 Boston Dynamics LittleDog - The Legged Locomotion Learning Robot
- 5.6.8 Google Robotic Division
- 5.6.9 Google Self-Driving Car
- 5.6.10 Google Cars Address Vast Majority Of Vehicle Accidents Due To Human Error
- 5.6.11 Google Business
- 5.6.12 Google Corporate Highlights
- 5.6.13 Google Search
- 5.6.14 Google Revenue
- 5.6.15 Google Second Quarter 2013 Results
- 5.6.16 Google Revenues by Segment and Geography
- 5.6.17 Google / Motorola Headcount
- 5.6.18 Google / Motorola
- 5.7 Hanool Robotics
 - 5.7.1 Hanool Robotics Synchronous Mobile Robot
- 5.8 Hayward
 - 5.8.1 Totally Hayward System
 - 5.8.2 Hayward Industries Commercial Pool Products
 - 5.8.3 Hayward Commercial
 - 5.8.4 Hayward
- 5.9 iRobot
 - 5.9.1 iRobot Home Robots:
 - 5.9.2 iRobot Defense and Security: Protecting Those in Harm's Way
 - 5.9.3 iRobot Role In The Robot Industry
 - 5.9.4 iRobot SPARK (Starter Programs for the Advancement of Robotics Knowledge)
 - 5.9.5 iRobot Revenue
 - 5.9.6 iRobot Acquires Evolution Robotics, Inc.
 - 5.9.7 iRobot / Evolution Robotics
 - 5.9.8 iRobot Strategy
 - 5.9.9 iRobot Technology
- 5.10 Karcher
 - 5.10.1 Karcher
- 5.11 KumoTek
 - 5.11.1 KumoTek Divisions
 - 5.11.2 KumoTek Consumer Robotics Group
- 5.12 Kyosho
- 5.13 LG
 - 5.13.1 LG Revenue
 - 5.13.2 LG Branding
 - 5.13.3 Winning Over the Top-Class Market

- 5.14 Lilin Group
- 5.15 Mamirobot
- 5.16 Matsutek
 - 5.16.1 Matsutek Main Products:
- 5.17 Metapo
- 5.18 Microbric
 - 5.18.1 Microbric Technical Aspects
- 5.18 Miele
- 5.20 MSI
- 5.21 Neato Robotics
- 5.22 NEC
 - 5.21.1 NEC Robots That Live With, And Have The Ability To Interact With Humans
 - 5.21.2 NEC Sales
- 5.23 P3
- 5.24 Parallax
- 5.25 Pentair
- 5.26 Samsung
 - 5.26.1 Samsung Strategic Change
 - 5.26.2 Samsung Revenue
 - 5.26.3 Samsung Apps
 - 5.26.4 Samsung Display and Information Technology Innovations
 - 5.26.5 Samsung Cameras: Consumer-Inspired Design
 - 5.26.6 Samsung Creating a Future Home Entertainment TV
- 5.27 Surveyor
- 5.28 Yujin Robot
- 5.29 Zodiac Pool Systems

List Of Tables

LIST OF TABLES AND FIGURES

- Table ES-1 Cleaning Robotics Market Driving Forces
- Table ES-2 Consumer Home Cleaning Product Development Challenges
- Figure ES-3 Vacuum Cleaner Robot Market Shares, Dollars, Worldwide, 2013
- Figure ES-4 Vacuum Robot Market Forecasts Dollars, Worldwide, 2014-2020
- Table 1-1 Aspects of Robotic Cleaning Sector Modernization
- Figure 1-2 Robot Vacuum Product Launches
- Figure 1-3 Scaling iRobot Vacuum Cleaner Markets
- Table 1-4 Domestic Robot Types
- Table 2-1 Cleaning Robotics Market Driving Forces
- Table 2-2 Consumer Home Cleaning Product Development Challenges
- Figure 2-3 Vacuum Cleaner Robot Market Shares, Dollars, Worldwide, 2013
- Table 2-4 Vacuum Cleaner Robot Shipments , Market Shares, Dollars, 2013
- Figure 2-5 iRobot Home Products
- Figure 2-7 Panasonic Fukitorimushi Robotic Vacuum
- Figure 2-8 Vacuum Robot Market Forecasts Dollars, Worldwide, 2014-2020
- Figure 2-9 Vacuum Cleaning Robot Shipments Units and Dollars, Worldwide, 2014-2020
- Table 2-10 Home Vacuum Cleaning Robot Market Segment Analysis, Top of the Line, Classic, and Low End Basic Market Forecasts, Dollars, Worldwide, 2014-2020
- Figure 2-11 Vacuum Cleaner Robot Shipments Market Forecasts Units, Worldwide, 2014-2020
- Table 2-12 Vacuum Cleaning Robot Shipments, Units and Dollars, Worldwide, 2014-2020
- Table 2-13 Number of Households and Percent Unit Penetration of Robot Vacuums Analysis, North and South America, Market Forecasts, 2014-2020
- Figure 2-14 iRobot View of Robotic Vacuum Cleaner Addressable Market
- Figure 2-15 Robotic Vacuum Market
- Table 2-16 Worldwide Population,-2013
- Table 2-17 Vacuum Cleaning Robot Regional Analysis Dollars and Units, By Region, 2014-2020
- Figure 2-18 iRobot on Google
- Figure 2-19 Cleaning Robot Regional Market Segments, Dollars, Worldwide, 2013
- Table 2-20 Cleaning Robot Regional Market Segments, Dollars, Worldwide, 2013
- Table 2-21 Vacuum Cleaner Robot Shipments, North and South America, Market Shares, Dollars, 2013

Table 2-22 Vacuum Cleaner Robot Shipments, Europe Middle East and Africa, Market Shares, Dollars, 2013

Table 2-23 Vacuum Cleaner Robot Shipments, Asia Pacific Region Market Shares, Dollars, 2013

Figure 3-1 iRobot Home Robot Products

Figure 3-2 iRobot Roomba Vacuum Cleaning Robot

Table 3-3 iRobot AeroForce System Breakthrough Technologies

Table 3-4 iRobot AeroForce System Features

Figure 3-5 iRobot Roomba 880

Table 3-6 iRobot Roomba 790 Specifications

Table 3-7 iRobot Roomba 790 Vacuum Cleaning Robot Features

Figure 3-8 iRobot Use in Kitchen

Figure 3-9 iRobot Use in Living Room

Figure 3-10 Samsung Navibot

Figure 3-11 Samsung NaviBot's Camera Supported by CPU System And Sensors

Figure 3-12 Samsung NaviBot Light

Figure 3-13 Samsung Navibot S Robot Vacuum

Figure 3-14 Samsung VC-RM72VR Smart Tango Dual CPU Automatic Cleaner Super Slim Robot Vacuum

Figure 3-15 Samsung VC-RM96W Tango Robot Vacuum

Figure 3-16 Samsung Cleaning Robot Multiple Views

Figure 3-17 Samsung Cleaning Robot

Figure 3-18 Samsung Sensor Placement

Figure 3-19 LG Roboking Robot Vacuum

Figure 3-20 LG Roboking VR6270LVM Smart Robot Vacuum

Table 3-21 LG Roboking Features

Table 3-22 LG Roboking VR6270LVM Smart Robot Vacuum Features

Table 3-23 LG Roboking VR6270LVM Smart Robot Vacuum Specifications

Figure 3-24 LG Roboking Bagless Robot Vacuum

Figure 3-25 LG Electronics Motor

Figure 3-26 LG Electronics Lithium Polymer Batteries

Figure 3-27 Dyson 360 Eye Robot

Table 3-28 Metapo CleanMate QQ2 Plus Robotic Vacuum Cleaner Features

Figure 3-29 Metapo CleanMate QQ2 Plus

Figure 3-30 Metapo CleanMate QQ5 Plus

Figure 3-31 Infinvo Hovo 510

Figure 3-32 Neato BotVac Series

Table 3-33 Neato Robot Vacuum Models

Figure 3-34 Neato XV Series

Figure 3-35 Matsutek Vacuum Robot
Figure 3-36 Matsutek Vacuum Robot Product Line Matsutek Smart Multi-Function Vacuum Cleaner With Remote Control
Table 3-37 Matsutek Smart Multi-Function Vacuum Cleaner With Remote Control
Figure 3-38 Matsutek Floor Cleaning Robot
Figure 3-39 Mamirobot KF7 Series Features
Figure 3-40 Mamirobot KF7 Series Functions
Figure 3-41 P3 Robotic Vacuum
Table 3-42 P3 Robotic Vacuum
Figure 3-43 Yujin Robot iCLEBO POP
Figure 3-44 Karcher Robocleaner RC 3000
Figure 3-45 Hanool Robotics' Vacuum
Figure 3-46 Hayward TigerShark
Figure 3-47 Hayward TigerShark 2
Figure 3-48 Hayward TigerShark Features
Figure 3-49 Hayward SharkVac
Table 3-50 SharkVAC XL Pool Floor And Wall Cleaning Features
Table 3-51 Hayward Navigator Pro's exclusive SmartDrive
Figure 3-52 Hayward AquaBug
Table 3-53 AquaBug Turbine Cleaner Features
Figure 3-54 Hayward Diver Dave
Table 3-55 Hayward Diver Dave Product Description
Figure 3-56 Hayward Wanda the Whale
Table 3-57 Hayward Wanda the Whale Features
Figure 3-58 Hayward AquaRay
Table 3-59 Pentair Prowler 830 Remote Control Features
Figure 3-60 Pentair Kreepy Krauly Prowler 820 Robotic Inground Pool Cleaner
Table 3-61 Pentair Prowler 820 Features
Table 3-62 Zodiac 4WD Robotic Cleaner Features
Figure 3-63 Maytronics Commercial Pool Cleaning Robots
Table 3-64 Maytronics Natural Pool, Eco-Pool, and Organic Pool Benefits
Table 4-1 Cleaning Robotics Enabling Technologies
Figure 4-2 iRobot Simultaneous Localization and Mapping Technology Strategy
Figure 4-3 iRobot Technology Strategy
Table 4-4 iRobot Next Generation Cleaning Robot Navigation
Table 4-5 Cleaning Robot Key Technology
Table 4-6 Robot Communications Key Technology
Table 4-7 Cleaning Robot Key Navigation Technologies
Table 4-8 Human-Robot Interaction

Figure 4-9 Evolution Robotics Technology Solutions
Figure 4-10 Evolution Robotics Object Recognition
Table 4-11 Evolution Robotics Applications
Table 4-12 Visual Simultaneous Localization & Mapping Functions Relevant to Robotics
Figure 4-13 Hitachi Modular Robot Configuration
Table 4-14 Aquabot Key Product Technology Factors
Figure 4-15 Aquabot Key Technology
Table 5-1 Bandai America Partners
Table 5-2 Bandai America Product Lines
Figure 5-3 Dyson 360 Eye Robot
Figure 5-4 Boston Dynamic LS3
Figure 5-5 Boston Dynamic CHEETAH
Figure 5-6 Boston Dynamic Atlas
Figure 5-7 Boston Dynamic BigDog
Figure 5-8 Boston Dynamics LittleDog -
Table 5-9 Google Autonomous Vehicles Technology
Figure 5-10 iRobot Portfolio of Technology Solutions
Figure 5-11 Cumulative iRobot Unit Sales, 2004 to 2014
Figure 5-12 iRobot Home Business Revenue
Figure 5-13 iRobot Roomba 800 Launch Metrics
Table 5-14 iRobot Strategy Key elements
Table 5-15 iRobot Strategy Key Common Platforms and Software elements
Figure 5-16 KumoTek Divisions
Figure 5-17 LG Global Locations
Figure 5-18 Metapo Headquarters
Figure 5-19 Metapo Vacuum Product line
Figure 5-20 Metapo Facilities
Figure 5-21 Microbric Components
Table 5-22 Microbric Typical Modules
Figure 5-23 MSI Worldwide Distribution and Factory Sites
Figure 5-24 Neato XV-11 At Top Of Stairs
Table 5-25 NEC Personal Robot Technologies
Figure 5-26 Surveyor SRV-1 Blackfin Robot

I would like to order

Product name: Cleaning Robots: Market Shares, Strategies, and Forecasts, Worldwide, 2012-2018

Product link: <https://marketpublishers.com/r/C371B79B423EN.html>

Price: US\$ 3,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C371B79B423EN.html>