Residential Robotic Vacuum Cleaner Market: Global Industry Analysis and Opportunity Assessment, 2016-2021

Description:
Cleaning tight corners and hard-to-reach spaces in homes, floors, pools, and other residential spaces is often difficult without an efficient cleaning tool. Residential robotic vacuum cleaners, popularly known as robovacs, are widely used for effectively cleaning residential surfaces. Robovacs are equipped with intelligent sensors and several advanced features that enable room mapping, laser vision, and self-charging. Growing urban settlements and busier lifestyles of people across urban areas are predominantly driving the global market for residential robotic vacuum cleaner.

The global residential robotic vacuum cleaner market is expected to grow impressively over the next five years. During the forecast period 2016-2021, the author indicates that the market may see exponential growth, taking a leap from US$ 1,491.0 Mn expected in 2016, to US$ 2,475.0 Mn by the end of 2021. Throughout the forecast period, the market for residential robotic vacuum cleaner is anticipated to expand at a healthy CAGR of 12%.

Changing Lifestyle and Growing Inclination toward Automated Cleaning Fuels Market

Increased emphasis on the quality of indoor air, improving lifestyle in developing regions, busier daily schedules, and lack of time for household chores are identified to be the key factors that will continue to create the demand for residential robotic vacuum cleaners. In addition, rising disposable earning in dual-income households is strongly supporting the sales of vacuum cleaners across the globe. A few more key drivers sustaining sales in global market include compact size, light weight, portability, and time-efficiency of residential robotic vacuum cleaners that facilitate cleaning and mopping on a daily basis.

Burgeoning Concerns about Health and Indoor Air Pollution Propel Sales

Increasing priority to health and hygiene, coupled with a growing tendency to lead a sustainable lifestyle, induce the need for efficient, automated home cleaning solutions. This will remain another major driver to the residential vacuum cleaner market. Moreover, rising prevalence of asthma raises the demand for vacuum cleaners with HEPA filters, ultimately contributing to the market growth. Rising preference for indoor air pollution management among the population of developing countries has been fuelling the growth of the market since the past few years.

Key Market Trends Continue to Push Market Growth

Superior performance and enhanced functionality of robotic vacuum cleaners will remain the key factors augmenting the adoption of vacuum cleaners in households. A growing trend of bag-less vacuum cleaners is also identified to accelerate market growth. In addition, rising adoption of automated cleaners in emerging economies is a remarkable trend that has been positively impacting the market since the past few years.

New Product Launches Set to Sway the Market

The market has been witnessing a few innovations, such as vacuum cleaners with UV sterilisation, spinning brushes, security cameras, and so on. Such advancements are expected to push the market further. Discovery of a novel technology stair-climbing robotic vacuum cleaners is likely to present lucrative opportunities in near future. However, strict regulatory measures regarding energy-efficiency and higher costs of robotic vacuum cleaners will continue to pose a challenge to market growth in the long run.

In-house Robot Continues to Dominate Outdoor Robot

Based on robot type, the global residential robotic vacuum cleaners market is segmented into in-house robot and outdoor robot segments. In-house robot segment is likely to dominate with nearly 75% market share by 2021 end, attributed to the convenience of charging manually as well as automatically. However, adoption of outdoor vacuum cleaners is expected to rise over the next few years. This segment will exhibit a robust CAGR of 20.1% over the assessed period.
Europe Remains the Largest Market, Middle East and Africa Emerges Faster

On the basis of regional analysis, the market for residential robotic vacuum cleaner in Europe has been registering the highest revenue share over the years. This region will continue to dominate over the forecast period as well, accounting for nearly 44% share by 2021 end. Asia Pacific is likely to expand at a significant CAGR of 13.4%, whereas MEA is projected for the fastest CAGR over 2016-2021.

Product Innovation Is on the Paramount for Key Players

Some of the most prominent players in the global residential robotic vacuum cleaners, include Yujin Robot Co., Ltd., Neato Robotics, Inc., Ecovacs Robotics, Inc., Robot Corporation, Samsung Electronics Co., Ltd., Dyson Inc., Hayward Industries, Inc., Philips Electronics N.V, Milagrow Business & Knowledge Solutions (Pvt.) Limited, and Pentair plc. Recently in 2015, iRobot Corporation introduced a robotic vacuum cleaner (Roomba 980) with in-built adaptive navigation, visual localisation, and connected app control. It is designed for enhanced efficiency on carpets. A majority of leading companies are increasingly concentrating on R&D of unconventional products in order to gain a competitive edge.

Contents:

1. Global Residential Robotic Vacuum Cleaner Market - Executive Summary

2. Research Methodology

3. Assumptions and Acronyms Used

4. Global Residential Robotic Vacuum Cleaner Market Overview
   4.1. Introduction
   4.1.1. Global Residential Robotic Vacuum Cleaner Market - Taxonomy
   4.1.2. Global Residential Robotic Vacuum Cleaner Market - Definition
   4.2. Global Residential Robotic Vacuum Cleaner Market Size (Value & Volume) and Forecast
      4.2.1. Global Residential Robotic Vacuum Cleaner Market Y-o-Y Growth
      4.2.2. Absolute $ Opportunity
      4.2.3. Absolute Unit Opportunity
   4.3. Global Residential Robotic Vacuum Cleaner Market Dynamics
      4.3.1. Drivers
      4.3.1.1. Impact Analysis of Drivers
      4.3.2. Restraints
      4.3.2.1. Impact Analysis of Restraints
      4.3.3. Market Trends
      4.3.4. Global Residential Robotic Vacuum Cleaner Market Evolution
      4.4.1. Market Size (Value & Volume) Snapshot (2014)

5. Global Residential robotic Vacuum Cleaner Market Analysis and Forecast, by Robot Type
   5.1. Introduction
   5.2. Global Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By Robot Type
      5.2.1. Global Residential Robotic Vacuum Cleaner Market Share & BPS Analysis, (Value & Volume) By Robot Type, 2015 & 2021
      5.2.2. Global Residential Robotic Vacuum Cleaner Market Y-o-Y Growth Comparison, (Value & Volume), By Robot Type, 2014-2021
   5.3. In-House Robot
      5.3.1. Global Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
      5.3.2. Global Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
      5.3.3. Global Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
   5.4. Outdoor Robot
      5.4.1. Global Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By Outdoor Robot; 2014-2021
      5.4.2. Global Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Outdoor Robot; 2014-2021
      5.4.3. Global Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Outdoor Robot; 2014
5.4.4. Outdoor Robot Segment Value Forecast, by Region
5.5. Global Residential Robotic Vacuum Cleaner Market Attractiveness Analysis (US$ Mn & Th Unit), By Robot Type, 2021

6. Global Residential Robotic Vacuum Cleaner Market Analysis and Forecast, by Mode of Charging
6.1. Introduction
6.2. Global Residential Robotic Vacuum Cleaner Market Size and Forecast, By Mode of Charging
6.2.1. Y-o-Y Growth Comparison, By Mode of Charging
6.3. Manual Charging
6.3.2. Global Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Manual Charging; 2015-2021
6.3.3. Manual Charging Segment Value Forecast, by Region
6.4. Auto Battery Charging
6.4.1. Global Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Auto Battery Charging; 2014-2021
6.4.2. Global Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2014-2021
6.4.3. Auto Battery Charging Segment Value Forecast, by Region
6.5. Global Residential Robotic Vacuum Cleaner Market Attractiveness Analysis, By Mode of Charging, 2021

7. Global Residential Robotic Vacuum Cleaner Market Analysis and Forecast, By Region
7.1. Introduction
7.2. Global Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By Region
7.2.2. Global Residential Robotic Vacuum Cleaner Market Share, (Value & Volume), 2015
7.3. North America
7.3.1. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), 2014-2021
7.3.2. North America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, 2015-2021
7.3.3. North America Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, 2015-2021
7.3.4. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By In-House Robot
7.3.4.1. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
7.3.4.2. North America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
7.3.4.3. North America Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
7.3.5. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By Outdoor Robot
7.3.5.1. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By Outdoor Robot; 2014-2021
7.3.6.1. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Manual Charging; 2014-2021
7.3.7. North America Residential Robotic Vacuum Cleaner Market Size and Forecast, By Auto Battery Charging
7.3.7.1. North America Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Auto Battery Charging; 2014-2021
7.3.7.2. North America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2015-2021
7.3.9. North America Residential Robotic Vacuum Cleaner Market Attractiveness, 2021
7.3.8.1. By Robot Type (US$ Mn & Th Unit)
7.3.8.2. By Mode of Charging
7.3.8.3. By Country
7.4. Latin America
7.4.1. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), 2014-2021
7.4.2. Latin America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, 2015-2021
7.4.3. Latin America Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, 2015-2021
7.4.4. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By In-House Robot
7.4.4.1. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
7.4.4.2. Latin America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
7.4.4.3. Latin America Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
7.4.5. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By Outdoor Robot
7.4.5.1. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By Outdoor Robot; 2014-2021
7.4.5.2. Latin America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Outdoor Robot; 2015-2021
7.4.5.3. Latin America Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Outdoor Robot; 2015-2021
7.4.6. Latin America Residential Robotic Vacuum Cleaner Market Size and Forecast, By Manual Charging
7.4.6.1. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Manual Charging; 2014-2021
7.4.6.2. Latin America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Manual Charging; 2015-2021
7.4.7. Latin America Residential Robotic Vacuum Cleaner Market Size and Forecast, By Auto Battery Charging
7.4.7.1. Latin America Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Auto Battery Charging; 2014-2021
7.4.7.2. Latin America Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2015-2021
7.5. Europe
7.5.1. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), 2014-2021
7.5.2. Europe Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, 2015-2021
7.5.3. Europe Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, 2015-2021
7.5.4. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By In-House Robot
7.5.4.1. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
7.5.4.2. Europe Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
7.5.5. Europe Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
7.5.6. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Forecast, By Outdoor Robot
7.5.6.1. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Outdoor Robot; 2014-2021
7.5.6.2. Europe Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Outdoor Robot; 2015-2021
7.5.7. Europe Residential Robotic Vacuum Cleaner Market Size and Forecast, By Auto Battery Charging
7.5.7.1. Europe Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By...
Auto Battery Charging; 2014-2021
7.5.7.2. Europe Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2015-2021
7.5.8. Europe Residential Robotic Vacuum Cleaner Market Opportunity, by Country
7.5.9. Europe Residential Robotic Vacuum Cleaner Market Attractiveness, 2021
7.5.8.1. By Robot type (US$ Mn & Th Unit)
7.5.8.2. By Mode of Charging
7.5.8.3. By Country
7.6. APAC
7.6.1. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), 2014-2021
7.6.2. APAC Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, 2015-2021
7.6.3. APAC Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, 2015-2021
7.6.4. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and forecast, By In-House Robot
7.6.4.1. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
7.6.4.2. APAC Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
7.6.4.3. APAC Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
7.6.5. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and forecast, By Outdoor Robot
7.6.5.1. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By Outdoor Robot; 2014-2021
7.6.5.2. APAC Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Outdoor Robot; 2015-2021
7.6.5.3. APAC Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Outdoor Robot; 2015-2021
7.6.6. APAC Residential Robotic Vacuum Cleaner Market Size and forecast, By Manual Charging
7.6.6.1. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Manual Charging; 2014-2021
7.6.6.2. APAC Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Manual Charging; 2015-2021
7.6.7. APAC Residential Robotic Vacuum Cleaner Market Size and forecast, By Auto Battery Charging
7.6.7.1. APAC Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Auto Battery Charging; 2014-2021
7.6.7.2. APAC Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2015-2021
7.6.8. APAC Residential Robotic Vacuum Cleaner Market Opportunity, By Country
7.6.9. APAC Residential Robotic Vacuum Cleaner Market Attractiveness, 2021
7.7. MEA
7.7.1. MEA Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), 2014-2021
7.7.2. MEA Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, 2015-2021
7.7.3. MEA Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, 2015-2021
7.7.4. MEA Residential Robotic Vacuum Cleaner Market Size and forecast, By In-House Robot
7.7.4.1. MEA Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and Y-o-Y Growth Forecast (%), By In-House Robot; 2014-2021
7.7.4.2. MEA Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By In-House Robot; 2015-2021
7.7.4.3. MEA Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By In-House Robot; 2015-2021
7.7.5. MEA Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and forecast, By Outdoor Robot
7.7.5.1. MEA Residential Robotic Vacuum Cleaner Market Size (US$ Mn & Th Unit) and forecast, By Outdoor Robot; 2015-2021
7.7.5.2. MEA Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Outdoor Robot; 2015-2021
7.7.5.3. MEA Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Outdoor Robot; 2015-2021
7.7.5.4. MEA Residential Robotic Vacuum Cleaner Market Size and forecast, By Manual Charging
7.7.5.5. MEA Residential Robotic Vacuum Cleaner Market Size (US$ Mn) and Y-o-Y Growth Forecast (%), By Manual Charging; 2014-2021
7.7.5.6. MEA Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Manual Charging; 2015-2021
7.7.5.7. MEA Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Manual Charging; 2015-2021
7.7.5.8. MEA Residential Robotic Vacuum Cleaner Market Absolute $ Opportunity, By Auto Battery Charging; 2015-2021
7.7.5.9. MEA Residential Robotic Vacuum Cleaner Market Absolute Unit Opportunity, By Auto Battery Charging; 2015-2021
Ordering:
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Residential Robotic Vacuum Cleaner Market: Global Industry Analysis and Opportunity Assessment, 2016-2021
Web Address: http://www.researchandmarkets.com/reports/4047297/
Office Code: SC2G5ZKO

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>USD 5000</th>
<th>USD 7500</th>
<th>USD 10000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site License:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ____________________________________________ Last Name: ____________________________________________
Email Address: * ____________________________________________
Job Title: ____________________________________________
Organisation: ____________________________________________
Address: ____________________________________________
City: ____________________________________________
Postal / Zip Code: ____________________________________________
Country: ____________________________________________
Phone Number: ____________________________________________
Fax Number: ____________________________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World