

Industrial Cleaning Robot Market - Global Outlook and Forecast 2017 - 2022

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Abstracts

The global industrial cleaning robot market is expected to witness unit shipment of more than 34,260 units, growing at an impressive CAGR of more than 74% during 2016-2022. Increased industrial automation and shortage of skilled workers in industry are major factors. The industrial floor cleaning robot market is likely to have maximum share both in terms of revenue and shipment. North America will continue to be the largest market.

Report Timeline

Historic Year: 2014-2015

Base Year: 2016

Forecast Year 2017-2022

Major Vendors in Different Segments are as following

Industrial Floor Cleaning: ADLATUS Robotics, Alfred Kärcher, Avidbots, Cleanfix, Combijet, Cyberdyne, Fybots, Makita, MDB, Muratec, Nilfisk, P.T.C., Sealed Air(Taski).

Industrial Duct and Pipe Cleaning: BioVac Systems, Danduct Clean, DIS Dry Ice System, IBAK, IBC Robotics, LIFA AIR, LLOYD's, Neovision (Jetty), Robosoft Systems, Robotics Design, Urakami Research & Development.

Storage Tank and Boiler Cleaning: GE Inspection Robotics, ID-Tec, Scantron Robotics,

SOLEX Robotics, Wolf tank.

Other Industrial Cleaning: Aeffe, Alion Energy, CleanHull, ECA Group Hytec, Ecoppia, Gulf Agency Company, KTV Group, Remora Marine, SeaRobotics, Serbot, Weda poolcleaner.

SCOPE OF THE REPORT

The sale of major industrial cleaning robot vendors was aggregated to arrive at an estimate of the market size in terms of volume. The same approach is used to calculate the market size in terms of revenue. Also, segmental revenues were calculated through the bottom approach, which involved the analysis of segment-wise financials of key players in the market.

The market research report provides the details of the market size in the following segments:

Revenue

Shipment

Product

Floor cleaning

Sweeping

Vacuuming

Scrubbing

High-pressure washing

Duct and pipe cleaning

Storage tank and boiler cleaning

Hull cleaning

Others (window cleaners, pool cleaners)

Geography

APAC

Europe

North America

RoW

The report also includes the leading trend, drivers, and restraints of the market for each region.

An Industrial cleaning robot is a professional service robot designed to perform cleaning tasks in an industrial setup. These robots are rugged and are different from domestic robots or lawn mowing robots manufactured by vendors such as iRobot, Husqvarna, or Robomow.

The global industrial cleaning robot is likely to post a CAGR of more than 74% in terms of unit shipment during 2016-2022. The market witnessed huge growth during in 2016, due to the rising demand for these devices in the US and Europe. Driven by the launch of new product models, which offered ease-of-use along with a taste of innovation, the US witnessed a surge in sales of industrial cleaning robot. This kept the demand for industrial cleaning robot up.

The report provides a holistic view of the global market, the companies involved in the market, and the factors driving its growth. The report also provides information on some of the latest trends that have started to surface and are likely to become strong market driving forces over the next five years. This report also provides the Porter's Five Forces analysis along with a description of each force and its impact on the market. Further the report also provides complete value chain analysis of the global industrial cleaning robot market.

Industrial Cleaning Robot Market Dynamics

Robot as a Service (RaaS) and increasing investment on the Industrial IoT to drive the market.

Sales of industrial cleaning robot is sensitive to fluctuations in raw material prices, GDP growth, government regulations, and industrial construction activities. Further, the growth is mainly driven by increased GDP and the growth of the industrial automation market across the world. Establishments of manufacturing plants are also increasing as manufacturers are expanding their footprints worldwide. This could result in steady demand generation for industrial cleaning robot among manufacturers worldwide.

The concept of using Robot as a Service (RaaS) and increasing investment on the Industrial IoT are the latest trends that are going to push the market growth. Further the limited availability of skilled labours, need to increase safety quotient for humans involved in industrial cleaning and increased industrial automation are the major factors that are going to bolster the global industrial cleaning robot market in the next few years.

Industrial Cleaning Robot Market: Segmental Overview

Industrial Floor Cleaning Robot Market to Dominate Both in Terms of Revenue and Shipment

In 2016, the market was dominated by the floor cleaning robots that accounted for a share of 69.55% and 64.46% in terms of unit shipment and revenue, respectively. The segment is witnessing increased demand from the manufacturing industry in the developed regions such as the US and Germany. The duct and pipe cleaning device segment followed the floor cleaning segment. Industrial floor cleaning robots are further categorized into these categories: Sweeping, vacuuming, scrubbing, and high-pressure washing. In these categories, industrial scrubbing dominates the market for industrial floor cleaning, followed by high-pressure washing robots.

Industrial Cleaning Robot Market: Geographical Analysis

North America to Remain the Largest Segment

This report considers four major regions: APAC, Europe, North America and RoW.

In 2016, North America was the largest segment of the global industrial cleaning robot

market. The demand for industrial cleaning robot depends on the growth of the manufacturing industry in the region. Globally, North America is the largest market for industrial automation, and the market is growing rapidly. This will fuel the demand for industrial cleaning robot in the region. The region is likely to account for market shares of 42.73% and 48.32% in terms of unit shipment and revenue, respectively, in 2022. North America is followed by Europe, led by Germany and Italy where industrial robot penetration is more and sales of industrial robots are high.

Latin America and MEA, constituting RoW, had low shares in the global market in 2016 as there was low demand for industrial automation products in the region. Further, the concept of using industrial cleaning robots has not gained popularity in many the Middle Eastern, Latin American, and African countries (except GCC countries). Thus, the market demand and penetration of industrial cleaning robot is low in these regions. However, with many vendors expanding their operations in these countries for market share, the demand for these devices will grow during the forecast period.

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