

# Global HVAC Duct Cleaning Robots Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global HVAC Duct Cleaning Robots market size was valued at US\$ 839 million in 2025 and is forecast to a readjusted size of US\$ 1733 million by 2032 with a CAGR of 10.8% during review period.

HVAC Duct cleaning robots are specialized devices designed to clean and maintain HVAC (Heating, Ventilation, and Air Conditioning) ductwork efficiently. These robots can navigate through duct systems, performing cleaning tasks that would be difficult or impossible for human technicians. Duct cleaning robots improve the efficiency and effectiveness of duct cleaning operations, reduce the need for manual labor in hazardous environments, and help maintain healthy indoor air quality. By automating the cleaning process, these robots can save time and improve safety in HVAC maintenance. In 2025, global HVAC Duct Cleaning Robots production reached approximately 31.33 K Units. The upstream segment of the HVAC duct cleaning robot industry mainly consists of motion control systems, servo motors, reducers, cameras, LED lighting modules, HEPA filtration systems, pneumatic brushing tools, vacuum systems, wireless communication modules, and embedded controllers. The downstream market mainly consists of HVAC service contractors, facility management companies, hospitals, airports, subway systems, data centers, industrial facilities, and commercial buildings.

HVAC Duct Cleaning Robots represent a rapidly growing niche within building maintenance robotics, positioned at the intersection of HVAC automation and professional service robotics. The demand is primarily driven by increasing global awareness of Indoor Air Quality (IAQ) and stricter hygiene and energy-efficiency

requirements in commercial buildings, hospitals, and data centers.

This report is a detailed and comprehensive analysis for global HAVC Duct Cleaning Robots market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global HAVC Duct Cleaning Robots market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global HAVC Duct Cleaning Robots market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global HAVC Duct Cleaning Robots market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global HAVC Duct Cleaning Robots market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (K US\$/Unit), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for HAVC Duct Cleaning Robots

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global HAVC Duct Cleaning Robots market based on the following parameters - company overview, sales quantity, revenue, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Teinnova, Nirmitee Robotics, JettyRobot, Danduct Clean, Robotics Design Inc., Lifa Air, Milagrow HumanTech, Robosoft Systems, Anhui Kwaitong Technologies, Guangzhou RJ-BOT Industrial Group Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

HAVC Duct Cleaning Robots market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Remote-Controlled

Autonomous

### Market segment by Movement Method

Wheel Type

Tracked Type

Others

### Market segment by Pipe Size

>300 mm

300–900 mm

>900 mm

## Market segment by End Users

- Commercial Buildings
- Healthcare & Pharmaceuticals
- Industrial Facilities
- Data Centers
- Public Infrastructure
- Others

## Market segment by Application

- Residential
- Commercial
- Industrial

## Major players covered

- Teinnova
- Nirmittee Robotics
- JettyRobot
- Danduct Clean
- Robotics Design Inc.
- Lifa Air

Milagrow HumanTech

Robosoft Systems

Anhui Kwaitong Technologies

Guangzhou RJ-BOT Industrial Group Co., Ltd.

Zhengzhou Hento Machinery Co., Ltd.

Gaolijie Robot

Shenzhen Zhongke Deli Intelligent Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe HAVC Duct Cleaning Robots product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of HAVC Duct Cleaning Robots, with price, sales quantity, revenue, and global market share of HAVC Duct Cleaning Robots from 2021 to 2026.

Chapter 3, the HAVC Duct Cleaning Robots competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the HAVC Duct Cleaning Robots breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and HAVC Duct Cleaning Robots market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of HAVC Duct Cleaning Robots.

Chapter 14 and 15, to describe HAVC Duct Cleaning Robots sales channel, distributors, customers, research findings and conclusion.

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