

# Global HVAC Duct Cleaning Robots Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G449C9E6503FEN.html>

Date: June 2026

Pages: 120

Price: US\$ 4,480.00 (Single User License)

ID: G449C9E6503FEN

## Abstracts

The global HVAC Duct Cleaning Robots market size is expected to reach \$ 1733 million by 2032, rising at a market growth of 10.8% CAGR during the forecast period (2026-2032).

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 studies the global HVAC Duct Cleaning Robots production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for HVAC Duct Cleaning Robots and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of HVAC Duct Cleaning Robots that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global HVAC Duct Cleaning Robots total production and demand, 2021-2032, (K Units)

Global HVAC Duct Cleaning Robots total production value, 2021-2032, (USD Million)

Global HVAC Duct Cleaning Robots production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global HVAC Duct Cleaning Robots consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: HVAC Duct Cleaning Robots domestic production, consumption, key domestic manufacturers and share

Global HVAC Duct Cleaning Robots production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global HVAC Duct Cleaning Robots production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global HVAC Duct Cleaning Robots production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global HVAC Duct Cleaning Robots market based on the following parameters - company overview, production, value, 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 Kuaitong 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World HVAC Duct Cleaning Robots market

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global HAVC Duct Cleaning Robots Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global HAVC Duct Cleaning Robots Market, Segmentation by Type:

Remote-Controlled

Autonomous

### Global HAVC Duct Cleaning Robots Market, Segmentation by Movement Method:

Wheel Type

Tracked Type

Others

### Global HVAC Duct Cleaning Robots Market, Segmentation by Pipe Size:

?300 mm

300–900 mm

?900 mm

### Global HVAC Duct Cleaning Robots Market, Segmentation by End Users:

Commercial Buildings

Healthcare & Pharmaceuticals

Industrial Facilities

Data Centers

Public Infrastructure

Others

### Global HVAC Duct Cleaning Robots Market, Segmentation by Application:

Residential

Commercial

Industrial

### Companies Profiled:

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

#### Key Questions Answered:

1. How big is the global HAVC Duct Cleaning Robots market?
2. What is the demand of the global HAVC Duct Cleaning Robots market?
3. What is the year over year growth of the global HAVC Duct Cleaning Robots market?
4. What is the production and production value of the global HAVC Duct Cleaning Robots market?
5. Who are the key producers in the global HAVC Duct Cleaning Robots market?
6. What are the growth factors driving the market demand?

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