

# **Disinfection Robots Market by Type (UV Light, Disinfectant Sprayer, Combined System), Technology (Autonomous, Semi-Autonomous), End User (Hospital, Transportation, Hospitality, Industries), and Geography - Global Forecast to 2028**

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## **Abstracts**

Disinfection Robots Market by Type (UV Light, Disinfectant Sprayer, Combined System), Technology (Autonomous, Semi-Autonomous), End User (Hospital, Transportation, Hospitality, Industries), and Geography - Global Forecast to 2028

The global disinfection robots market is expected to grow at a CAGR of 30.1% from 2021 to 2028 to reach \$2.79 billion by 2028.

Following a comprehensive primary and secondary study and an in-depth analysis of the market scenario, this report provides the key drivers, constraints, challenges, and opportunities of the industry. The main driving factors are the rising prevalence of hospital-acquired infections (HAIs), favorable government efforts to deploy disinfection robots, and growing awareness about the benefits of using disinfection robots.

Furthermore, emerging economies and technological advancements in the field of robotics and artificial intelligence are expected to provide the industry with significant potential prospects in the future. However, the limitations of disinfection robots, such as the inability to disinfect dirt and organic soiling, may restrain the growth of this market. Additionally, the high initial cost, coupled with additional repair & maintenance costs, poses a major challenge for the players operating in this market.

In 2021, based on type, the ultraviolet light disinfection robots segment commanded the largest share of this market. The large market share of this segment is attributed to

these robots' capability to effectively disinfect a hospital room in a short duration, increasing incidences of hospital-acquired infections, and their capability to disinfect an area without the need for manual intervention.

In 2021, based on technology, the fully autonomous disinfection robots segment commanded the largest share of this market. The large market share of this segment is attributed to their self-navigation capabilities with the help of specialized sensors, minimal to a non-essential need for human intervention, and autonomous decision-making features.

In 2021, based on end user, the hospitals segment commanded the largest share of this market. The large market share of this segment is attributed to the rising adoption of advanced disinfection technologies in healthcare facilities to contain the COVID-19 outbreak and curb the spread of hospital-acquired infections (HAIs).

An in-depth analysis of the geographical scenario of the global disinfection robots market provides detailed qualitative and quantitative insights for the five major geographies (North America, Europe, Asia-Pacific, the Middle East & Africa, and Latin America) along with the coverage of major countries in each region.

In 2021, Europe commanded the largest share of the global disinfection robots market, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

The key players operating in the global disinfection robots market are SESTO Robotics Pte. Ltd. (Singapore), UVD Robots (Denmark), PDI, Inc. (U.S.), Xenex Disinfection Services Inc. (U.S.), Nevoa Inc. (U.S.), Badger Technologies Inc (U.S.), Skytron, LLC (U.S.), Omron Corporation (Japan), Fetch Robotics, Inc. (U.S.), Finsen Technologies Ltd (U.K.), Taimi Robotics Technology Co. Ltd (China), Akara Robotics Ltd. (Ireland), Siemens AG (Germany), and Milagrow Business & Knowledge Solutions (Pvt.) Limited (India).

Scope of the Report:

Disinfection Robots Market, by Type

Ultraviolet Light Disinfection Robots

Disinfectant Spraying robots

## Combined System Disinfection Robots

### Disinfection Robots Market, by Technology

Fully Autonomous Disinfection Robots

Semi-autonomous Disinfection Robots

### Disinfection Robots Market, by End User

Hospitals

Transportation

Industries

Hospitality

Others

### Disinfection Robots Market, by Geography

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Switzerland

Rest of Europe (RoE)

Asia Pacific

China

Japan

India

South Korea

Singapore

Rest of APAC (RoAPAC)

Latin America

Middle East & Africa

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