

Demolition Robot Market by Product Type (Mini, Medium, Large), Sales Type (New Equipment, Aftermarket), Application (Construction, Mining, Tunnelling), and Region 2023-2028

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Abstracts

The global demolition robot market size reached US\$ 357.90 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 838.26 Million by 2028, exhibiting a growth rate (CAGR) of 14.91% during 2023-2028. Significant growth in the construction industry, investments in the development of smart cities, and the growing number of mining activities represent some of the key factors driving the market.

A demolition robot is used to perform various tasks, such as breaking down structures, tearing down walls, and removing debris. It is manufactured using metal and electronic components, including steel beams, plates, motors, and sensors. It is operated using a remote control, which enables the operator to control the movement and actions. It improves the safety and security of workers in hazardous working environments. It is used to safely and efficiently perform tasks that can be dangerous and challenging for human workers. It is also utilized in the decommissioning of nuclear facilities, removing hazardous materials, and other specialized tasks. At present, key players operating worldwide are integrating the internet of things (IoT) and artificial intelligence (AI) to develop efficient and cost-effective demolition robots.

Demolition Robot Market Trends:

The increasing demolishing projects of unauthorized buildings and weak foundations and significant growth in the construction industry represent one of the major factors driving the demand for demolition robots around the world. Moreover, the rising number of renovation and remodeling activities of homes, hotels, offices, shopping malls, airports, and educational institutions is favoring the market growth. In addition,

governments of numerous countries are undertaking initiatives to promote the adoption of demolition robots to improve safety and reduce the environmental impact of demolition projects. They are also encouraging the recycling of recoverable demolition materials that are produced every year. Furthermore, the growing investments in the development of smart cities by governments of numerous countries are influencing the market positively. Apart from this, there is an increase in the integration of sensors, such as light detection and ranging (LiDAR) and radio detection and ranging (RADAR), and camera systems in the demolition robots that help in navigating and mapping the environment, detecting obstacles, and avoiding potential hazards. This, coupled with the incorporation of radios, wireless networks, and satellite links that allow operators to safely control the robot from a distance and minimize the risk of injury to workers, is strengthening the growth of the market. Additionally, there is a rise in the use of demolition robots in the mining industry for excavating tunnels and shafts. This, along with the growing number of mining activities, is creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global demolition robot market, along with forecasts at the global, regional, and country level from 2023-2028. Our report has categorized the market based on product type, sales type, and application.

Product Type Insights:

Mini
Medium
Large

The report has provided a detailed breakup and analysis of the demolition robot market based on the product type. This includes mini, medium, and large. According to the report, mini represented the largest segment.

Sales Type Insights:

New Equipment
Aftermarket

A detailed breakup and analysis of the demolition robot market based on the sales type has also been provided in the report. This includes new equipment and aftermarket.

According to the report, new equipment accounted for the largest market share.

Application Insights:

Construction

Mining

Tunnelling

The report has provided a detailed breakup and analysis of the demolition robot market based on the application. This includes construction, mining, and tunnelling. According to the report, construction represented the largest segment.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada), Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others), Europe (Germany, France, United Kingdom, Italy, Spain, Russia, and others), Latin America (Brazil, Mexico, and others), and the Middle East and Africa. According to the report, Europe was the largest market for demolition robot. Some of the factors driving the Europe demolition robot market included the increasing demand for automatic demolition machines, rising demolishing projects of unauthorized buildings, the integration of advanced technologies, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global demolition robot market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Brokk AB, Conjet AB, Epiroc Finland Oy Ab, Giant Hydraulic Tech Co. Ltd., Husqvarna AB, Keman, McCann Industries Inc., and TopTec Benelux BVBA. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global demolition robot market performed so far and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global demolition robot market?

What are the key regional markets?

Which countries represent the most attractive demolition robot markets?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the sales type?

What is the breakup of the market based on the application?

What is the competitive structure of the global demolition robot market?

Who are the key players/companies in the global demolition robot market?

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