

Global Firefighting Rescue Robots Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Firefighting Rescue Robots market size is expected to reach \$ 8601 million by 2032, rising at a market growth of 9.4% CAGR during the forecast period (2026-2032).

In 2025, global Firefighting Rescue Robots production reached approximately 30 K units, with an average global market price of around US\$ 150,000 per unit. Annual production capacity is 35 K units. Gross Profit Margin: 39%. Firefighting and rescue robots are unmanned ground or aerial robotic systems designed to support emergency response operations in hazardous environments such as building fires, industrial explosions, chemical leaks, and disaster zones. Upstream includes sensors, chips, batteries, and actuators; midstream is robot manufacturers and system integrators; downstream includes fire departments, industrial safety teams, military rescue units, and critical infrastructure operators. The market is shifting from manual firefighting support tools to intelligent, semi-autonomous systems that primarily aim to reduce human risk and improve response speed in extreme environments.

This report studies the global Firefighting Rescue Robots production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Firefighting Rescue 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 Firefighting Rescue Robots that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Firefighting Rescue Robots total production and demand, 2021-2032, (Units)
Global Firefighting Rescue Robots total production value, 2021-2032, (USD Million)
Global Firefighting Rescue Robots production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)
Global Firefighting Rescue Robots consumption by region & country, CAGR, 2021-2032 & (Units)
U.S. VS China: Firefighting Rescue Robots domestic production, consumption, key domestic manufacturers and share
Global Firefighting Rescue Robots production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)
Global Firefighting Rescue Robots production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)
Global Firefighting Rescue Robots production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Firefighting Rescue 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 Howe & Howe Technologies (Private, USA), Rosenbauer International AG (VIE: ROS, Austria), Shark Robotics (Private, France), Angatec GmbH (Private, Germany), Mitsubishi Heavy Industries, Ltd. (TYO: 7011, Japan), EmiControls SRL (Private, Italy), DOK-ING d.o.o. (Private, Croatia), Shandong Guoxing Intelligent Technology Co., Ltd. (Private, China), Vimal Fire (Private, India), Hyundai Rotem (KRX: 064350, South Korea), 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 Firefighting Rescue Robots market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (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 Firefighting Rescue Robots Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Firefighting Rescue Robots Market, Segmentation by Type:

Tracked Ground Robots (UGVs)

Wheeled Robots

Quadruped Robots

Aerial Robots (Firefighting Drones)

Global Firefighting Rescue Robots Market, Segmentation by Core Function:

Fire Suppression Robots

Reconnaissance Robots

Search & Rescue Robots

Hazard Monitoring Robots

Logistics Support Robots

Global Firefighting Rescue Robots Market, Segmentation by Control Mode:

Teleoperated Systems

Semi-Autonomous Systems

Fully Autonomous Systems

Global Firefighting Rescue Robots Market, Segmentation by Application:

Fire Departments

Industrial Emergency Teams

Military Emergency Response Units

Public Safety / Disaster Rescue Agencies

Companies Profiled:

Howe & Howe Technologies (Private, USA)

Rosenbauer International AG (VIE: ROS, Austria)

Shark Robotics (Private, France)

Angatec GmbH (Private, Germany)

Mitsubishi Heavy Industries, Ltd. (TYO: 7011, Japan)

EmiControls SRL (Private, Italy)

DOK-ING d.o.o. (Private, Croatia)

Shandong Guoxing Intelligent Technology Co., Ltd. (Private, China)

Vimal Fire (Private, India)

Hyundai Rotem (KRX: 064350, South Korea)

JTT Technology Co., Ltd. (Private, China)

Baijirobot (Private, China)

Unitree Robotics (Private, China)

Luckyram Co., Ltd. (Private, China)

Harris Corporation (NYSE: LHX via L3Harris, USA)

Key Questions Answered:

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

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