+357 96 030922
info@marketpublishers.com

Global Explosion-proof Robotic Arm Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GDAB1676113DEN.html
Date: December 2025
Pages: 106
Price: US$ 3,480.00 (Single User License)
ID: GDAB1676113DEN

Abstracts

According to our (Global Info Research) latest study, the global Explosion-proof Robotic Arm market size was valued at US$ 235 million in 2025 and is forecast to a readjusted size of US$ 410 million by 2032 with a CAGR of 8.5% during review period.

Explosion-proof robotic arms are specialized robotic arms designed for highly hazardous environments such as petroleum, chemical, gas, and military industries, possessing national or international explosion-proof certifications (such as Ex d, Ex ib, ATEX, IECEx). They employ intrinsically safe circuits, explosion-proof housings, spark-free transmissions, and anti-static materials, enabling them to perform tasks such as remote valve operation, sample handling, equipment maintenance, and emergency response, ensuring personnel safety and production continuity. The upstream of the industry chain includes suppliers of explosion-proof servo motors, harmonic reducers, intrinsically safe controllers, special seals, and explosion-proof sensors. The midstream consists of core manufacturers who need to master explosion-proof system integration, multi-degree-of-freedom motion control, and Ex certification capabilities for the entire machine. The downstream primarily serves petrochemical refineries, LNG receiving terminals, hazardous chemical storage facilities, mines, and emergency rescue organizations. Due to high technical barriers, stringent certifications, and small production volumes, the industry's overall gross profit margin ranges from 45% to 70%. In 2024, the global production of explosion-proof robotic arms was approximately 4,750 units, with a global average market price of approximately US$48,000 per unit. In 2024, the global production capacity of explosion-proof robotic arms was approximately 7,000 units.

This report is a detailed and comprehensive analysis for global Explosion-proof Robotic

+357 96 030922
info@marketpublishers.com

Arm 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 Explosion-proof Robotic Arm market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Explosion-proof Robotic Arm market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Explosion-proof Robotic Arm market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Explosion-proof Robotic Arm market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (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 Explosion-proof Robotic Arm

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 Explosion-proof Robotic Arm 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 elibot, Kawasaki Robotics, Suzhou

+357 96 030922
info@marketpublishers.com

Saifud Explosion-proof Technology, Guangdong Huayan Robotics Co. Ltd, Changzhou Huiwei Technology Co., Ltd., EVS TECH CO., LTD, Huayan Robotics, DUCO, Woob Robotics, KUKA, etc.

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

Market Segmentation

Explosion-proof Robotic Arm 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

Six-Axis Industrial Robotic Arm

Collaborative Explosion-proof Robotic Arm

Rail-mounted Robotic Arm

Telescopic Joint Robotic Arm

Market segment by Application Task

Spraying Robotic Arm

Material Handling Robotic Arm

Inspection & Monitoring Robotic Arm

Welding Robotic Arm

Market segment by Application

Oil & Gas Hazardous Environment Arm

+357 96 030922
info@marketpublishers.com

Chemical Plant Explosion-proof Arm

Coal Mine & Underground Rescue Arm

Explosion-proof Painting/Handling Arm

Major players covered

elibot

Kawasaki Robotics

Suzhou Saifud Explosion-proof Technology

Guangdong Huayan Robotics Co. Ltd

Changzhou Huiwei Technology Co., Ltd.

EVS TECH CO., LTD

Huayan Robotics

DUCO

Woob Robotics

KUKA

ABB

Fanuc

AUBO

Market segment by region, regional analysis covers

+357 96 030922
info@marketpublishers.com

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 Explosion-proof Robotic Arm product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Explosion-proof Robotic Arm, with price, sales quantity, revenue, and global market share of Explosion-proof Robotic Arm from 2021 to 2026.

Chapter 3, the Explosion-proof Robotic Arm competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Explosion-proof Robotic Arm 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 Explosion-proof Robotic Arm 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.

+357 96 030922
info@marketpublishers.com

Chapter 13, the key raw materials and key suppliers, and industry chain of Explosion-proof Robotic Arm.

Chapter 14 and 15, to describe Explosion-proof Robotic Arm sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Explosion-proof Robotic Arm Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/GDAB1676113DEN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GDAB1676113DEN.html