

Global Explosion Proof Collaborative Robots Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Explosion Proof Collaborative Robots market size was valued at US\$ 414 million in 2024 and is forecast to a readjusted size of USD 720 million by 2031 with a CAGR of 8.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The explosion proof collaborative robot is a robotic system capable of performing tasks in explosive hazardous environments and collaborating with humans. It typically features an explosion-proof enclosure and system to prevent fires or explosions in potentially explosive environments. Additionally, it is equipped with various sensors and monitoring devices that can detect potential hazardous situations and take timely measures to ensure the safety of operators and equipment. Explosion-proof collaborative robots can replace workers, minimizing operational risks and making them an ideal choice for various petrochemical, painting, and service applications.

This report is a detailed and comprehensive analysis for global Explosion Proof Collaborative Robots 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 Collaborative Robots market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Explosion Proof Collaborative Robots market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Explosion Proof Collaborative Robots market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Explosion Proof Collaborative Robots market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2020-2025

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 Collaborative Robots
- 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 Collaborative Robots 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 Universal Robots, FANUC, Ultimate Robotics, Kawasaki Heavy Industries, Ltd., KUKA AG, ABB, CGXi, AUBO, Shenzhen Han's Robot Co., Ltd, DUCO (SINSUN), etc.

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

Market Segmentation

Explosion Proof Collaborative Robots market is split by Type and by Application. For the period 2020-2031, 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

Maximum Reach: 1000 mm and Below

Maximum Reach: 1001-2000 mm

Maximum Reach: 2001-3000 mm

Maximum Reach: Above 3000 mm

Market segment by Application

Industrial Manufacturing

Materials Handling

Others

Major players covered

Universal Robots

FANUC

Ultimate Robotics

Kawasaki Heavy Industries, Ltd.

KUKA AG

ABB

CGXi

AUBO

Shenzhen Han's Robot Co., Ltd

DUCO (SINSUN)

Zhejiang Qianjiang Robot Co., Ltd.

AUCTECH

Sence (Automation & Controls)

EVS TECH CO., LTD

BORUNTE

Market segment by region, regional analysis covers
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 Collaborative Robots product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Explosion Proof Collaborative Robots, with price, sales quantity, revenue, and global market share of Explosion Proof Collaborative Robots from 2020 to 2025.

Chapter 3, the Explosion Proof Collaborative Robots competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Explosion Proof Collabrative Robots breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025.and Explosion Proof Collabrative Robots market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Explosion Proof Collabrative Robots.

Chapter 14 and 15, to describe Explosion Proof Collabrative Robots sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Explosion Proof Collaborative Robots Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Maximum Reach: 1000 mm and Below

1.3.3 Maximum Reach: 1001-2000 mm

1.3.4 Maximum Reach: 2001-3000 mm

1.3.5 Maximum Reach: Above 3000 mm

1.4 Market Analysis by Application

1.4.1 Overview: Global Explosion Proof Collaborative Robots Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Industrial Manufacturing

1.4.3 Materials Handling

1.4.4 Others

1.5 Global Explosion Proof Collaborative Robots Market Size & Forecast

1.5.1 Global Explosion Proof Collaborative Robots Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Explosion Proof Collaborative Robots Sales Quantity (2020-2031)

1.5.3 Global Explosion Proof Collaborative Robots Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Universal Robots

2.1.1 Universal Robots Details

2.1.2 Universal Robots Major Business

2.1.3 Universal Robots Explosion Proof Collaborative Robots Product and Services

2.1.4 Universal Robots Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Universal Robots Recent Developments/Updates

2.2 FANUC

2.2.1 FANUC Details

2.2.2 FANUC Major Business

2.2.3 FANUC Explosion Proof Collaborative Robots Product and Services

2.2.4 FANUC Explosion Proof Collaborative Robots Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 FANUC Recent Developments/Updates

2.3 Ultimate Robotics

2.3.1 Ultimate Robotics Details

2.3.2 Ultimate Robotics Major Business

2.3.3 Ultimate Robotics Explosion Proof Collaborative Robots Product and Services

2.3.4 Ultimate Robotics Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Ultimate Robotics Recent Developments/Updates

2.4 Kawasaki Heavy Industries, Ltd.

2.4.1 Kawasaki Heavy Industries, Ltd. Details

2.4.2 Kawasaki Heavy Industries, Ltd. Major Business

2.4.3 Kawasaki Heavy Industries, Ltd. Explosion Proof Collaborative Robots Product and Services

2.4.4 Kawasaki Heavy Industries, Ltd. Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Kawasaki Heavy Industries, Ltd. Recent Developments/Updates

2.5 KUKA AG

2.5.1 KUKA AG Details

2.5.2 KUKA AG Major Business

2.5.3 KUKA AG Explosion Proof Collaborative Robots Product and Services

2.5.4 KUKA AG Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 KUKA AG Recent Developments/Updates

2.6 ABB

2.6.1 ABB Details

2.6.2 ABB Major Business

2.6.3 ABB Explosion Proof Collaborative Robots Product and Services

2.6.4 ABB Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 ABB Recent Developments/Updates

2.7 CGXi

2.7.1 CGXi Details

2.7.2 CGXi Major Business

2.7.3 CGXi Explosion Proof Collaborative Robots Product and Services

2.7.4 CGXi Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 CGXi Recent Developments/Updates

2.8 AUBO

- 2.8.1 AUBO Details
- 2.8.2 AUBO Major Business
- 2.8.3 AUBO Explosion Proof Collaborative Robots Product and Services
- 2.8.4 AUBO Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 AUBO Recent Developments/Updates
- 2.9 Shenzhen Han's Robot Co., Ltd
 - 2.9.1 Shenzhen Han's Robot Co., Ltd Details
 - 2.9.2 Shenzhen Han's Robot Co., Ltd Major Business
 - 2.9.3 Shenzhen Han's Robot Co., Ltd Explosion Proof Collaborative Robots Product and Services
 - 2.9.4 Shenzhen Han's Robot Co., Ltd Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Shenzhen Han's Robot Co., Ltd Recent Developments/Updates
- 2.10 DUCO (SINSUN)
 - 2.10.1 DUCO (SINSUN) Details
 - 2.10.2 DUCO (SINSUN) Major Business
 - 2.10.3 DUCO (SINSUN) Explosion Proof Collaborative Robots Product and Services
 - 2.10.4 DUCO (SINSUN) Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 DUCO (SINSUN) Recent Developments/Updates
- 2.11 Zhejiang Qianjiang Robot Co., Ltd.
 - 2.11.1 Zhejiang Qianjiang Robot Co., Ltd. Details
 - 2.11.2 Zhejiang Qianjiang Robot Co., Ltd. Major Business
 - 2.11.3 Zhejiang Qianjiang Robot Co., Ltd. Explosion Proof Collaborative Robots Product and Services
 - 2.11.4 Zhejiang Qianjiang Robot Co., Ltd. Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Zhejiang Qianjiang Robot Co., Ltd. Recent Developments/Updates
- 2.12 AUCTECH
 - 2.12.1 AUCTECH Details
 - 2.12.2 AUCTECH Major Business
 - 2.12.3 AUCTECH Explosion Proof Collaborative Robots Product and Services
 - 2.12.4 AUCTECH Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 AUCTECH Recent Developments/Updates
- 2.13 Sence (Automation & Controls)
 - 2.13.1 Sence (Automation & Controls) Details
 - 2.13.2 Sence (Automation & Controls) Major Business

2.13.3 Sence (Automation & Controls) Explosion Proof Collaborative Robots Product and Services

2.13.4 Sence (Automation & Controls) Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Sence (Automation & Controls) Recent Developments/Updates

2.14 EVS TECH CO., LTD

2.14.1 EVS TECH CO., LTD Details

2.14.2 EVS TECH CO., LTD Major Business

2.14.3 EVS TECH CO., LTD Explosion Proof Collaborative Robots Product and Services

2.14.4 EVS TECH CO., LTD Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 EVS TECH CO., LTD Recent Developments/Updates

2.15 BORUNTE

2.15.1 BORUNTE Details

2.15.2 BORUNTE Major Business

2.15.3 BORUNTE Explosion Proof Collaborative Robots Product and Services

2.15.4 BORUNTE Explosion Proof Collaborative Robots Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.15.5 BORUNTE Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: EXPLOSION PROOF COLLABRATIVE ROBOTS BY MANUFACTURER

3.1 Global Explosion Proof Collaborative Robots Sales Quantity by Manufacturer (2020-2025)

3.2 Global Explosion Proof Collaborative Robots Revenue by Manufacturer (2020-2025)

3.3 Global Explosion Proof Collaborative Robots Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Explosion Proof Collaborative Robots by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Explosion Proof Collaborative Robots Manufacturer Market Share in 2024

3.4.3 Top 6 Explosion Proof Collaborative Robots Manufacturer Market Share in 2024

3.5 Explosion Proof Collaborative Robots Market: Overall Company Footprint Analysis

3.5.1 Explosion Proof Collaborative Robots Market: Region Footprint

3.5.2 Explosion Proof Collaborative Robots Market: Company Product Type Footprint

3.5.3 Explosion Proof Collaborative Robots Market: Company Product Application Footprint

- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Explosion Proof Collaborative Robots Market Size by Region
 - 4.1.1 Global Explosion Proof Collaborative Robots Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Explosion Proof Collaborative Robots Consumption Value by Region (2020-2031)
 - 4.1.3 Global Explosion Proof Collaborative Robots Average Price by Region (2020-2031)
- 4.2 North America Explosion Proof Collaborative Robots Consumption Value (2020-2031)
- 4.3 Europe Explosion Proof Collaborative Robots Consumption Value (2020-2031)
- 4.4 Asia-Pacific Explosion Proof Collaborative Robots Consumption Value (2020-2031)
- 4.5 South America Explosion Proof Collaborative Robots Consumption Value (2020-2031)
- 4.6 Middle East & Africa Explosion Proof Collaborative Robots Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)
- 5.2 Global Explosion Proof Collaborative Robots Consumption Value by Type (2020-2031)
- 5.3 Global Explosion Proof Collaborative Robots Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)
- 6.2 Global Explosion Proof Collaborative Robots Consumption Value by Application (2020-2031)
- 6.3 Global Explosion Proof Collaborative Robots Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)

7.2 North America Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)

7.3 North America Explosion Proof Collaborative Robots Market Size by Country

7.3.1 North America Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2031)

7.3.2 North America Explosion Proof Collaborative Robots Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)

8.2 Europe Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)

8.3 Europe Explosion Proof Collaborative Robots Market Size by Country

8.3.1 Europe Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2031)

8.3.2 Europe Explosion Proof Collaborative Robots Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Explosion Proof Collaborative Robots Market Size by Region

9.3.1 Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Explosion Proof Collaborative Robots Consumption Value by Region

(2020-2031)

- 9.3.3 China Market Size and Forecast (2020-2031)
- 9.3.4 Japan Market Size and Forecast (2020-2031)
- 9.3.5 South Korea Market Size and Forecast (2020-2031)
- 9.3.6 India Market Size and Forecast (2020-2031)
- 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
- 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)
- 10.2 South America Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)
- 10.3 South America Explosion Proof Collaborative Robots Market Size by Country
 - 10.3.1 South America Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2031)
 - 10.3.2 South America Explosion Proof Collaborative Robots Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa Explosion Proof Collaborative Robots Market Size by Country
 - 11.3.1 Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa Explosion Proof Collaborative Robots Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Explosion Proof Collaborative Robots Market Drivers
- 12.2 Explosion Proof Collaborative Robots Market Restraints
- 12.3 Explosion Proof Collaborative Robots Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Explosion Proof Collaborative Robots and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Explosion Proof Collaborative Robots
- 13.3 Explosion Proof Collaborative Robots Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Explosion Proof Collaborative Robots Typical Distributors
- 14.3 Explosion Proof Collaborative Robots Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Explosion Proof Collaborative Robots Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Explosion Proof Collaborative Robots Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Universal Robots Basic Information, Manufacturing Base and Competitors

Table 4. Universal Robots Major Business

Table 5. Universal Robots Explosion Proof Collaborative Robots Product and Services

Table 6. Universal Robots Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Universal Robots Recent Developments/Updates

Table 8. FANUC Basic Information, Manufacturing Base and Competitors

Table 9. FANUC Major Business

Table 10. FANUC Explosion Proof Collaborative Robots Product and Services

Table 11. FANUC Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. FANUC Recent Developments/Updates

Table 13. Ultimate Robotics Basic Information, Manufacturing Base and Competitors

Table 14. Ultimate Robotics Major Business

Table 15. Ultimate Robotics Explosion Proof Collaborative Robots Product and Services

Table 16. Ultimate Robotics Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Ultimate Robotics Recent Developments/Updates

Table 18. Kawasaki Heavy Industries, Ltd. Basic Information, Manufacturing Base and Competitors

Table 19. Kawasaki Heavy Industries, Ltd. Major Business

Table 20. Kawasaki Heavy Industries, Ltd. Explosion Proof Collaborative Robots Product and Services

Table 21. Kawasaki Heavy Industries, Ltd. Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Kawasaki Heavy Industries, Ltd. Recent Developments/Updates

Table 23. KUKA AG Basic Information, Manufacturing Base and Competitors

Table 24. KUKA AG Major Business

Table 25. KUKA AG Explosion Proof Collaborative Robots Product and Services

Table 26. KUKA AG Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. KUKA AG Recent Developments/Updates

Table 28. ABB Basic Information, Manufacturing Base and Competitors

Table 29. ABB Major Business

Table 30. ABB Explosion Proof Collaborative Robots Product and Services

Table 31. ABB Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. ABB Recent Developments/Updates

Table 33. CGXi Basic Information, Manufacturing Base and Competitors

Table 34. CGXi Major Business

Table 35. CGXi Explosion Proof Collaborative Robots Product and Services

Table 36. CGXi Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. CGXi Recent Developments/Updates

Table 38. AUBO Basic Information, Manufacturing Base and Competitors

Table 39. AUBO Major Business

Table 40. AUBO Explosion Proof Collaborative Robots Product and Services

Table 41. AUBO Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. AUBO Recent Developments/Updates

Table 43. Shenzhen Han's Robot Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 44. Shenzhen Han's Robot Co., Ltd Major Business

Table 45. Shenzhen Han's Robot Co., Ltd Explosion Proof Collaborative Robots Product and Services

Table 46. Shenzhen Han's Robot Co., Ltd Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Shenzhen Han's Robot Co., Ltd Recent Developments/Updates

Table 48. DUCO (SINSUN) Basic Information, Manufacturing Base and Competitors

Table 49. DUCO (SINSUN) Major Business

Table 50. DUCO (SINSUN) Explosion Proof Collaborative Robots Product and Services

Table 51. DUCO (SINSUN) Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. DUCO (SINSUN) Recent Developments/Updates

Table 53. Zhejiang Qianjiang Robot Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 54. Zhejiang Qianjiang Robot Co., Ltd. Major Business

Table 55. Zhejiang Qianjiang Robot Co., Ltd. Explosion Proof Collaborative Robots Product and Services

Table 56. Zhejiang Qianjiang Robot Co., Ltd. Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Zhejiang Qianjiang Robot Co., Ltd. Recent Developments/Updates

Table 58. AUCTECH Basic Information, Manufacturing Base and Competitors

Table 59. AUCTECH Major Business

Table 60. AUCTECH Explosion Proof Collaborative Robots Product and Services

Table 61. AUCTECH Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. AUCTECH Recent Developments/Updates

Table 63. Sence (Automation & Controls) Basic Information, Manufacturing Base and Competitors

Table 64. Sence (Automation & Controls) Major Business

Table 65. Sence (Automation & Controls) Explosion Proof Collaborative Robots Product and Services

Table 66. Sence (Automation & Controls) Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Sence (Automation & Controls) Recent Developments/Updates

Table 68. EVS TECH CO., LTD Basic Information, Manufacturing Base and Competitors

Table 69. EVS TECH CO., LTD Major Business

Table 70. EVS TECH CO., LTD Explosion Proof Collaborative Robots Product and Services

Table 71. EVS TECH CO., LTD Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. EVS TECH CO., LTD Recent Developments/Updates

Table 73. BORUNTE Basic Information, Manufacturing Base and Competitors

Table 74. BORUNTE Major Business

Table 75. BORUNTE Explosion Proof Collaborative Robots Product and Services

Table 76. BORUNTE Explosion Proof Collaborative Robots Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. BORUNTE Recent Developments/Updates

Table 78. Global Explosion Proof Collaborative Robots Sales Quantity by Manufacturer (2020-2025) & (Units)

Table 79. Global Explosion Proof Collaborative Robots Revenue by Manufacturer (2020-2025) & (USD Million)

Table 80. Global Explosion Proof Collaborative Robots Average Price by Manufacturer (2020-2025) & (K US\$/Unit)

Table 81. Market Position of Manufacturers in Explosion Proof Collaborative Robots, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 82. Head Office and Explosion Proof Collaborative Robots Production Site of Key Manufacturer

Table 83. Explosion Proof Collaborative Robots Market: Company Product Type Footprint

Table 84. Explosion Proof Collaborative Robots Market: Company Product Application Footprint

Table 85. Explosion Proof Collaborative Robots New Market Entrants and Barriers to Market Entry

Table 86. Explosion Proof Collaborative Robots Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Explosion Proof Collaborative Robots Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 88. Global Explosion Proof Collaborative Robots Sales Quantity by Region (2020-2025) & (Units)

Table 89. Global Explosion Proof Collaborative Robots Sales Quantity by Region (2026-2031) & (Units)

Table 90. Global Explosion Proof Collaborative Robots Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global Explosion Proof Collaborative Robots Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global Explosion Proof Collaborative Robots Average Price by Region (2020-2025) & (K US\$/Unit)

Table 93. Global Explosion Proof Collaborative Robots Average Price by Region (2026-2031) & (K US\$/Unit)

Table 94. Global Explosion Proof Collaborative Robots Sales Quantity by Type

(2020-2025) & (Units)

Table 95. Global Explosion Proof Collaborative Robots Sales Quantity by Type

(2026-2031) & (Units)

Table 96. Global Explosion Proof Collaborative Robots Consumption Value by Type

(2020-2025) & (USD Million)

Table 97. Global Explosion Proof Collaborative Robots Consumption Value by Type

(2026-2031) & (USD Million)

Table 98. Global Explosion Proof Collaborative Robots Average Price by Type

(2020-2025) & (K US\$/Unit)

Table 99. Global Explosion Proof Collaborative Robots Average Price by Type

(2026-2031) & (K US\$/Unit)

Table 100. Global Explosion Proof Collaborative Robots Sales Quantity by Application

(2020-2025) & (Units)

Table 101. Global Explosion Proof Collaborative Robots Sales Quantity by Application

(2026-2031) & (Units)

Table 102. Global Explosion Proof Collaborative Robots Consumption Value by Application (2020-2025) & (USD Million)

Table 103. Global Explosion Proof Collaborative Robots Consumption Value by Application (2026-2031) & (USD Million)

Table 104. Global Explosion Proof Collaborative Robots Average Price by Application (2020-2025) & (K US\$/Unit)

Table 105. Global Explosion Proof Collaborative Robots Average Price by Application (2026-2031) & (K US\$/Unit)

Table 106. North America Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2025) & (Units)

Table 107. North America Explosion Proof Collaborative Robots Sales Quantity by Type (2026-2031) & (Units)

Table 108. North America Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2025) & (Units)

Table 109. North America Explosion Proof Collaborative Robots Sales Quantity by Application (2026-2031) & (Units)

Table 110. North America Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2025) & (Units)

Table 111. North America Explosion Proof Collaborative Robots Sales Quantity by Country (2026-2031) & (Units)

Table 112. North America Explosion Proof Collaborative Robots Consumption Value by Country (2020-2025) & (USD Million)

Table 113. North America Explosion Proof Collaborative Robots Consumption Value by Country (2026-2031) & (USD Million)

Table 114. Europe Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2025) & (Units)

Table 115. Europe Explosion Proof Collaborative Robots Sales Quantity by Type (2026-2031) & (Units)

Table 116. Europe Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2025) & (Units)

Table 117. Europe Explosion Proof Collaborative Robots Sales Quantity by Application (2026-2031) & (Units)

Table 118. Europe Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2025) & (Units)

Table 119. Europe Explosion Proof Collaborative Robots Sales Quantity by Country (2026-2031) & (Units)

Table 120. Europe Explosion Proof Collaborative Robots Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe Explosion Proof Collaborative Robots Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2025) & (Units)

Table 123. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Type (2026-2031) & (Units)

Table 124. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2025) & (Units)

Table 125. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Application (2026-2031) & (Units)

Table 126. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Region (2020-2025) & (Units)

Table 127. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity by Region (2026-2031) & (Units)

Table 128. Asia-Pacific Explosion Proof Collaborative Robots Consumption Value by Region (2020-2025) & (USD Million)

Table 129. Asia-Pacific Explosion Proof Collaborative Robots Consumption Value by Region (2026-2031) & (USD Million)

Table 130. South America Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2025) & (Units)

Table 131. South America Explosion Proof Collaborative Robots Sales Quantity by Type (2026-2031) & (Units)

Table 132. South America Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2025) & (Units)

Table 133. South America Explosion Proof Collaborative Robots Sales Quantity by

Application (2026-2031) & (Units)

Table 134. South America Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2025) & (Units)

Table 135. South America Explosion Proof Collaborative Robots Sales Quantity by Country (2026-2031) & (Units)

Table 136. South America Explosion Proof Collaborative Robots Consumption Value by Country (2020-2025) & (USD Million)

Table 137. South America Explosion Proof Collaborative Robots Consumption Value by Country (2026-2031) & (USD Million)

Table 138. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Type (2020-2025) & (Units)

Table 139. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Type (2026-2031) & (Units)

Table 140. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Application (2020-2025) & (Units)

Table 141. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Application (2026-2031) & (Units)

Table 142. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Country (2020-2025) & (Units)

Table 143. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity by Country (2026-2031) & (Units)

Table 144. Middle East & Africa Explosion Proof Collaborative Robots Consumption Value by Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa Explosion Proof Collaborative Robots Consumption Value by Country (2026-2031) & (USD Million)

Table 146. Explosion Proof Collaborative Robots Raw Material

Table 147. Key Manufacturers of Explosion Proof Collaborative Robots Raw Materials

Table 148. Explosion Proof Collaborative Robots Typical Distributors

Table 149. Explosion Proof Collaborative Robots Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Explosion Proof Collaborative Robots Picture
- Figure 2. Global Explosion Proof Collaborative Robots Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Explosion Proof Collaborative Robots Revenue Market Share by Type in 2024
- Figure 4. Maximum Reach: 1000 mm and Below Examples
- Figure 5. Maximum Reach: 1001-2000 mm Examples
- Figure 6. Maximum Reach: 2001-3000 mm Examples
- Figure 7. Maximum Reach: Above 3000 mm Examples
- Figure 8. Global Explosion Proof Collaborative Robots Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 9. Global Explosion Proof Collaborative Robots Revenue Market Share by Application in 2024
- Figure 10. Industrial Manufacturing Examples
- Figure 11. Materials Handling Examples
- Figure 12. Others Examples
- Figure 13. Global Explosion Proof Collaborative Robots Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 14. Global Explosion Proof Collaborative Robots Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 15. Global Explosion Proof Collaborative Robots Sales Quantity (2020-2031) & (Units)
- Figure 16. Global Explosion Proof Collaborative Robots Price (2020-2031) & (K US\$/Unit)
- Figure 17. Global Explosion Proof Collaborative Robots Sales Quantity Market Share by Manufacturer in 2024
- Figure 18. Global Explosion Proof Collaborative Robots Revenue Market Share by Manufacturer in 2024
- Figure 19. Producer Shipments of Explosion Proof Collaborative Robots by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 20. Top 3 Explosion Proof Collaborative Robots Manufacturer (Revenue) Market Share in 2024
- Figure 21. Top 6 Explosion Proof Collaborative Robots Manufacturer (Revenue) Market Share in 2024
- Figure 22. Global Explosion Proof Collaborative Robots Sales Quantity Market Share by

Region (2020-2031)

Figure 23. Global Explosion Proof Collaborative Robots Consumption Value Market Share by Region (2020-2031)

Figure 24. North America Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 25. Europe Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 26. Asia-Pacific Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 27. South America Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 28. Middle East & Africa Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 29. Global Explosion Proof Collaborative Robots Sales Quantity Market Share by Type (2020-2031)

Figure 30. Global Explosion Proof Collaborative Robots Consumption Value Market Share by Type (2020-2031)

Figure 31. Global Explosion Proof Collaborative Robots Average Price by Type (2020-2031) & (K US\$/Unit)

Figure 32. Global Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 33. Global Explosion Proof Collaborative Robots Revenue Market Share by Application (2020-2031)

Figure 34. Global Explosion Proof Collaborative Robots Average Price by Application (2020-2031) & (K US\$/Unit)

Figure 35. North America Explosion Proof Collaborative Robots Sales Quantity Market Share by Type (2020-2031)

Figure 36. North America Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 37. North America Explosion Proof Collaborative Robots Sales Quantity Market Share by Country (2020-2031)

Figure 38. North America Explosion Proof Collaborative Robots Consumption Value Market Share by Country (2020-2031)

Figure 39. United States Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 40. Canada Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 41. Mexico Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 42. Europe Explosion Proof Collaborative Robots Sales Quantity Market Share by Type (2020-2031)

Figure 43. Europe Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 44. Europe Explosion Proof Collaborative Robots Sales Quantity Market Share by Country (2020-2031)

Figure 45. Europe Explosion Proof Collaborative Robots Consumption Value Market Share by Country (2020-2031)

Figure 46. Germany Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 47. France Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 48. United Kingdom Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 49. Russia Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 50. Italy Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 51. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity Market Share by Type (2020-2031)

Figure 52. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 53. Asia-Pacific Explosion Proof Collaborative Robots Sales Quantity Market Share by Region (2020-2031)

Figure 54. Asia-Pacific Explosion Proof Collaborative Robots Consumption Value Market Share by Region (2020-2031)

Figure 55. China Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 56. Japan Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 57. South Korea Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 58. India Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 59. Southeast Asia Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 60. Australia Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 61. South America Explosion Proof Collaborative Robots Sales Quantity Market

Share by Type (2020-2031)

Figure 62. South America Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 63. South America Explosion Proof Collaborative Robots Sales Quantity Market Share by Country (2020-2031)

Figure 64. South America Explosion Proof Collaborative Robots Consumption Value Market Share by Country (2020-2031)

Figure 65. Brazil Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 66. Argentina Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 67. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity Market Share by Type (2020-2031)

Figure 68. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity Market Share by Application (2020-2031)

Figure 69. Middle East & Africa Explosion Proof Collaborative Robots Sales Quantity Market Share by Country (2020-2031)

Figure 70. Middle East & Africa Explosion Proof Collaborative Robots Consumption Value Market Share by Country (2020-2031)

Figure 71. Turkey Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 72. Egypt Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 73. Saudi Arabia Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 74. South Africa Explosion Proof Collaborative Robots Consumption Value (2020-2031) & (USD Million)

Figure 75. Explosion Proof Collaborative Robots Market Drivers

Figure 76. Explosion Proof Collaborative Robots Market Restraints

Figure 77. Explosion Proof Collaborative Robots Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Explosion Proof Collaborative Robots in 2024

Figure 80. Manufacturing Process Analysis of Explosion Proof Collaborative Robots

Figure 81. Explosion Proof Collaborative Robots Industrial Chain

Figure 82. Sales Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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