

Global Intelligent Robot Welding System Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Intelligent Robot Welding System market size is expected to reach \$ 15510 million by 2032, rising at a market growth of 10.4% CAGR during the forecast period (2026-2032).

In 2025, global sales of intelligent robotic welding systems reached approximately 50,000 units, with an average selling price of US\$150,000. Intelligent robotic welding systems are industrial welding equipment integrating artificial intelligence, automation, and precision control technologies, widely used in automotive manufacturing, heavy machinery, aerospace, and electronics assembly. Upstream raw materials for this system include high-precision sensors, servo motors, welding materials (such as welding rods and wires), and high-strength alloy materials, which ensure the system's precise operation and durability. Welding materials and servo motors account for the largest share of upstream material consumption, approximately 40% of the total cost. Downstream supply is mainly provided by intelligent robotic welding system manufacturers, who supply products to major manufacturing companies, especially automotive production lines and industrial automation equipment suppliers. The total production capacity of intelligent robotic welding systems is approximately 70,000 units, with a gross profit margin of roughly 25%-30%, primarily influenced by production technology, raw material prices, and market demand. Downstream consumption is mainly concentrated in large manufacturing enterprises and automated production lines, especially in the automotive and electronics industries, where market demand is increasing year by year due to the growing demand for high-precision welding. The consumption of upstream materials is substantial, particularly in the demand for servo motors and high-strength alloy materials. This demand is expected to continue to increase with technological advancements and market expansion. In terms of business opportunities, the market demand for intelligent robot welding systems will continue to

grow as manufacturing automation increases, especially in industries such as automotive, electronics, and aerospace. Furthermore, continuous innovation in welding technologies, such as laser welding and the application of intelligent monitoring systems, will lead to the emergence of more efficient and energy-saving new welding systems, bringing new development opportunities to the industry.

This report studies the global Intelligent Robot Welding System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Intelligent Robot Welding System 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 Intelligent Robot Welding System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Intelligent Robot Welding System total production and demand, 2021-2032, (K Units)

Global Intelligent Robot Welding System total production value, 2021-2032, (USD Million)

Global Intelligent Robot Welding System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Intelligent Robot Welding System consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Intelligent Robot Welding System domestic production, consumption, key domestic manufacturers and share

Global Intelligent Robot Welding System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Intelligent Robot Welding System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Intelligent Robot Welding System production by Application, production, value,

CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Intelligent Robot Welding System 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 EVS TECH CO.,LTD, DS Technology, Path Robotics, SIASUN, ABB, HUAHENG, KUKA, Pemamek, Jihoyen, FANUC, 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 Intelligent Robot Welding System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K 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 Intelligent Robot Welding System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Intelligent Robot Welding System Market, Segmentation by Type:

Sensing and Positioning/Tracking Type

Adaptive Process Parameter Type

Others

Global Intelligent Robot Welding System Market, Segmentation by Welding Process:

Gas Shielded Welding Robot

Resistance Welding Robot

Laser Welding Robot

Others

Global Intelligent Robot Welding System Market, Segmentation by Robot Form:

Articulated Robots

Collaborative Robots

Gantry Robots

Global Intelligent Robot Welding System Market, Segmentation by Application:

Automobile Manufacturing

Aerospace

Electronics

Others

Companies Profiled:

EVS TECH CO.,LTD

DS Technology

Path Robotics

SIASUN

ABB

HUAHENG

KUKA

Pemamek

Jihoyen

FANUC

Fronius International GmbH

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

- 1.1 Intelligent Robot Welding System Introduction
- 1.2 World Intelligent Robot Welding System Supply & Forecast
 - 1.2.1 World Intelligent Robot Welding System Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Intelligent Robot Welding System Production (2021-2032)
 - 1.2.3 World Intelligent Robot Welding System Pricing Trends (2021-2032)
- 1.3 World Intelligent Robot Welding System Production by Region (Based on Production Site)
 - 1.3.1 World Intelligent Robot Welding System Production Value by Region (2021-2032)
 - 1.3.2 World Intelligent Robot Welding System Production by Region (2021-2032)
 - 1.3.3 World Intelligent Robot Welding System Average Price by Region (2021-2032)
 - 1.3.4 North America Intelligent Robot Welding System Production (2021-2032)
 - 1.3.5 Europe Intelligent Robot Welding System Production (2021-2032)
 - 1.3.6 China Intelligent Robot Welding System Production (2021-2032)
 - 1.3.7 Japan Intelligent Robot Welding System Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Intelligent Robot Welding System Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Intelligent Robot Welding System Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Intelligent Robot Welding System Demand (2021-2032)
- 2.2 World Intelligent Robot Welding System Consumption by Region
 - 2.2.1 World Intelligent Robot Welding System Consumption by Region (2021-2026)
 - 2.2.2 World Intelligent Robot Welding System Consumption Forecast by Region (2027-2032)
- 2.3 United States Intelligent Robot Welding System Consumption (2021-2032)
- 2.4 China Intelligent Robot Welding System Consumption (2021-2032)
- 2.5 Europe Intelligent Robot Welding System Consumption (2021-2032)
- 2.6 Japan Intelligent Robot Welding System Consumption (2021-2032)
- 2.7 South Korea Intelligent Robot Welding System Consumption (2021-2032)
- 2.8 ASEAN Intelligent Robot Welding System Consumption (2021-2032)
- 2.9 India Intelligent Robot Welding System Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Intelligent Robot Welding System Production Value by Manufacturer (2021-2026)
- 3.2 World Intelligent Robot Welding System Production by Manufacturer (2021-2026)
- 3.3 World Intelligent Robot Welding System Average Price by Manufacturer (2021-2026)
- 3.4 Intelligent Robot Welding System Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Intelligent Robot Welding System Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Intelligent Robot Welding System in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Intelligent Robot Welding System in 2025
- 3.6 Intelligent Robot Welding System Market: Overall Company Footprint Analysis
 - 3.6.1 Intelligent Robot Welding System Market: Region Footprint
 - 3.6.2 Intelligent Robot Welding System Market: Company Product Type Footprint
 - 3.6.3 Intelligent Robot Welding System Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Intelligent Robot Welding System Production Value Comparison
 - 4.1.1 United States VS China: Intelligent Robot Welding System Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Intelligent Robot Welding System Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Intelligent Robot Welding System Production Comparison
 - 4.2.1 United States VS China: Intelligent Robot Welding System Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Intelligent Robot Welding System Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Intelligent Robot Welding System Consumption Comparison

4.3.1 United States VS China: Intelligent Robot Welding System Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Intelligent Robot Welding System Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Intelligent Robot Welding System Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Intelligent Robot Welding System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Intelligent Robot Welding System Production (2021-2026)

4.5 China Based Intelligent Robot Welding System Manufacturers and Market Share

4.5.1 China Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Intelligent Robot Welding System Production Value (2021-2026)

4.5.3 China Based Manufacturers Intelligent Robot Welding System Production (2021-2026)

4.6 Rest of World Based Intelligent Robot Welding System Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Intelligent Robot Welding System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Intelligent Robot Welding System Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Intelligent Robot Welding System Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Sensing and Positioning/Tracking Type

5.2.2 Adaptive Process Parameter Type

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Intelligent Robot Welding System Production by Type (2021-2032)

5.3.2 World Intelligent Robot Welding System Production Value by Type (2021-2032)

5.3.3 World Intelligent Robot Welding System Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY WELDING PROCESS

6.1 World Intelligent Robot Welding System Market Size Overview by Welding Process: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Welding Process

6.2.1 Gas Shielded Welding Robot

6.2.2 Resistance Welding Robot

6.2.3 Laser Welding Robot

6.2.4 Others

6.3 Market Segment by Welding Process

6.3.1 World Intelligent Robot Welding System Production by Welding Process (2021-2032)

6.3.2 World Intelligent Robot Welding System Production Value by Welding Process (2021-2032)

6.3.3 World Intelligent Robot Welding System Average Price by Welding Process (2021-2032)

7 MARKET ANALYSIS BY ROBOT FORM

7.1 World Intelligent Robot Welding System Market Size Overview by Robot Form: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Robot Form

7.2.1 Articulated Robots

7.2.2 Collaborative Robots

7.2.3 Gantry Robots

7.3 Market Segment by Robot Form

7.3.1 World Intelligent Robot Welding System Production by Robot Form (2021-2032)

7.3.2 World Intelligent Robot Welding System Production Value by Robot Form (2021-2032)

7.3.3 World Intelligent Robot Welding System Average Price by Robot Form (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Intelligent Robot Welding System Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automobile Manufacturing

8.2.2 Aerospace

8.2.3 Electronics

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Intelligent Robot Welding System Production by Application (2021-2032)

8.3.2 World Intelligent Robot Welding System Production Value by Application (2021-2032)

8.3.3 World Intelligent Robot Welding System Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 EVS TECH CO.,LTD

9.1.1 EVS TECH CO.,LTD Details

9.1.2 EVS TECH CO.,LTD Major Business

9.1.3 EVS TECH CO.,LTD Intelligent Robot Welding System Product and Services

9.1.4 EVS TECH CO.,LTD Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 EVS TECH CO.,LTD Recent Developments/Updates

9.1.6 EVS TECH CO.,LTD Competitive Strengths & Weaknesses

9.2 DS Technology

9.2.1 DS Technology Details

9.2.2 DS Technology Major Business

9.2.3 DS Technology Intelligent Robot Welding System Product and Services

9.2.4 DS Technology Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 DS Technology Recent Developments/Updates

9.2.6 DS Technology Competitive Strengths & Weaknesses

9.3 Path Robotics

9.3.1 Path Robotics Details

9.3.2 Path Robotics Major Business

9.3.3 Path Robotics Intelligent Robot Welding System Product and Services

9.3.4 Path Robotics Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Path Robotics Recent Developments/Updates

9.3.6 Path Robotics Competitive Strengths & Weaknesses

9.4 SIASUN

9.4.1 SIASUN Details

- 9.4.2 SIASUN Major Business
- 9.4.3 SIASUN Intelligent Robot Welding System Product and Services
- 9.4.4 SIASUN Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 SIASUN Recent Developments/Updates
- 9.4.6 SIASUN Competitive Strengths & Weaknesses
- 9.5 ABB
 - 9.5.1 ABB Details
 - 9.5.2 ABB Major Business
 - 9.5.3 ABB Intelligent Robot Welding System Product and Services
 - 9.5.4 ABB Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 ABB Recent Developments/Updates
 - 9.5.6 ABB Competitive Strengths & Weaknesses
- 9.6 HUAHENG
 - 9.6.1 HUAHENG Details
 - 9.6.2 HUAHENG Major Business
 - 9.6.3 HUAHENG Intelligent Robot Welding System Product and Services
 - 9.6.4 HUAHENG Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 HUAHENG Recent Developments/Updates
 - 9.6.6 HUAHENG Competitive Strengths & Weaknesses
- 9.7 KUKA
 - 9.7.1 KUKA Details
 - 9.7.2 KUKA Major Business
 - 9.7.3 KUKA Intelligent Robot Welding System Product and Services
 - 9.7.4 KUKA Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 KUKA Recent Developments/Updates
 - 9.7.6 KUKA Competitive Strengths & Weaknesses
- 9.8 Pemamek
 - 9.8.1 Pemamek Details
 - 9.8.2 Pemamek Major Business
 - 9.8.3 Pemamek Intelligent Robot Welding System Product and Services
 - 9.8.4 Pemamek Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Pemamek Recent Developments/Updates
 - 9.8.6 Pemamek Competitive Strengths & Weaknesses
- 9.9 Jihoyen

- 9.9.1 Jihoyen Details
- 9.9.2 Jihoyen Major Business
- 9.9.3 Jihoyen Intelligent Robot Welding System Product and Services
- 9.9.4 Jihoyen Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 Jihoyen Recent Developments/Updates
- 9.9.6 Jihoyen Competitive Strengths & Weaknesses
- 9.10 FANUC
 - 9.10.1 FANUC Details
 - 9.10.2 FANUC Major Business
 - 9.10.3 FANUC Intelligent Robot Welding System Product and Services
 - 9.10.4 FANUC Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 FANUC Recent Developments/Updates
 - 9.10.6 FANUC Competitive Strengths & Weaknesses
- 9.11 Fronius International GmbH
 - 9.11.1 Fronius International GmbH Details
 - 9.11.2 Fronius International GmbH Major Business
 - 9.11.3 Fronius International GmbH Intelligent Robot Welding System Product and Services
 - 9.11.4 Fronius International GmbH Intelligent Robot Welding System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Fronius International GmbH Recent Developments/Updates
 - 9.11.6 Fronius International GmbH Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Intelligent Robot Welding System Industry Chain
- 10.2 Intelligent Robot Welding System Upstream Analysis
 - 10.2.1 Intelligent Robot Welding System Core Raw Materials
 - 10.2.2 Main Manufacturers of Intelligent Robot Welding System Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Intelligent Robot Welding System Production Mode
- 10.6 Intelligent Robot Welding System Procurement Model
- 10.7 Intelligent Robot Welding System Industry Sales Model and Sales Channels
 - 10.7.1 Intelligent Robot Welding System Sales Model
 - 10.7.2 Intelligent Robot Welding System Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Intelligent Robot Welding System Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Intelligent Robot Welding System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Intelligent Robot Welding System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Intelligent Robot Welding System Production Value Market Share by Region (2021-2026)

Table 5. World Intelligent Robot Welding System Production Value Market Share by Region (2027-2032)

Table 6. World Intelligent Robot Welding System Production by Region (2021-2026) & (K Units)

Table 7. World Intelligent Robot Welding System Production by Region (2027-2032) & (K Units)

Table 8. World Intelligent Robot Welding System Production Market Share by Region (2021-2026)

Table 9. World Intelligent Robot Welding System Production Market Share by Region (2027-2032)

Table 10. World Intelligent Robot Welding System Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Intelligent Robot Welding System Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Intelligent Robot Welding System Major Market Trends

Table 13. World Intelligent Robot Welding System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Intelligent Robot Welding System Consumption by Region (2021-2026) & (K Units)

Table 15. World Intelligent Robot Welding System Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Intelligent Robot Welding System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Intelligent Robot Welding System Producers in 2025

Table 18. World Intelligent Robot Welding System Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Intelligent Robot Welding System Producers in 2025

Table 20. World Intelligent Robot Welding System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Intelligent Robot Welding System Company Evaluation Quadrant

Table 22. World Intelligent Robot Welding System Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Intelligent Robot Welding System Production Site of Key Manufacturer

Table 24. Intelligent Robot Welding System Market: Company Product Type Footprint

Table 25. Intelligent Robot Welding System Market: Company Product Application Footprint

Table 26. Intelligent Robot Welding System Competitive Factors

Table 27. Intelligent Robot Welding System New Entrant and Capacity Expansion Plans

Table 28. Intelligent Robot Welding System Mergers & Acquisitions Activity

Table 29. United States VS China Intelligent Robot Welding System Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Intelligent Robot Welding System Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Intelligent Robot Welding System Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Intelligent Robot Welding System Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Intelligent Robot Welding System Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Intelligent Robot Welding System Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Intelligent Robot Welding System Production Market Share (2021-2026)

Table 37. China Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Intelligent Robot Welding System Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Intelligent Robot Welding System Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Intelligent Robot Welding System Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Intelligent Robot Welding System Production Market Share (2021-2026)

Table 42. Rest of World Based Intelligent Robot Welding System Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Intelligent Robot Welding System Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Intelligent Robot Welding System Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Intelligent Robot Welding System Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Intelligent Robot Welding System Production Market Share (2021-2026)

Table 47. World Intelligent Robot Welding System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Intelligent Robot Welding System Production by Type (2021-2026) & (K Units)

Table 49. World Intelligent Robot Welding System Production by Type (2027-2032) & (K Units)

Table 50. World Intelligent Robot Welding System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Intelligent Robot Welding System Production Value by Type (2027-2032) & (USD Million)

Table 52. World Intelligent Robot Welding System Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Intelligent Robot Welding System Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Intelligent Robot Welding System Production Value by Welding Process, (USD Million), 2021 & 2025 & 2032

Table 55. World Intelligent Robot Welding System Production by Welding Process (2021-2026) & (K Units)

Table 56. World Intelligent Robot Welding System Production by Welding Process (2027-2032) & (K Units)

Table 57. World Intelligent Robot Welding System Production Value by Welding Process (2021-2026) & (USD Million)

Table 58. World Intelligent Robot Welding System Production Value by Welding Process (2027-2032) & (USD Million)

Table 59. World Intelligent Robot Welding System Average Price by Welding Process (2021-2026) & (US\$/Unit)

Table 60. World Intelligent Robot Welding System Average Price by Welding Process

(2027-2032) & (US\$/Unit)

Table 61. World Intelligent Robot Welding System Production Value by Robot Form, (USD Million), 2021 & 2025 & 2032

Table 62. World Intelligent Robot Welding System Production by Robot Form (2021-2026) & (K Units)

Table 63. World Intelligent Robot Welding System Production by Robot Form (2027-2032) & (K Units)

Table 64. World Intelligent Robot Welding System Production Value by Robot Form (2021-2026) & (USD Million)

Table 65. World Intelligent Robot Welding System Production Value by Robot Form (2027-2032) & (USD Million)

Table 66. World Intelligent Robot Welding System Average Price by Robot Form (2021-2026) & (US\$/Unit)

Table 67. World Intelligent Robot Welding System Average Price by Robot Form (2027-2032) & (US\$/Unit)

Table 68. World Intelligent Robot Welding System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Intelligent Robot Welding System Production by Application (2021-2026) & (K Units)

Table 70. World Intelligent Robot Welding System Production by Application (2027-2032) & (K Units)

Table 71. World Intelligent Robot Welding System Production Value by Application (2021-2026) & (USD Million)

Table 72. World Intelligent Robot Welding System Production Value by Application (2027-2032) & (USD Million)

Table 73. World Intelligent Robot Welding System Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Intelligent Robot Welding System Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. EVS TECH CO.,LTD Basic Information, Manufacturing Base and Competitors

Table 76. EVS TECH CO.,LTD Major Business

Table 77. EVS TECH CO.,LTD Intelligent Robot Welding System Product and Services

Table 78. EVS TECH CO.,LTD Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. EVS TECH CO.,LTD Recent Developments/Updates

Table 80. EVS TECH CO.,LTD Competitive Strengths & Weaknesses

Table 81. DS Technology Basic Information, Manufacturing Base and Competitors

Table 82. DS Technology Major Business

Table 83. DS Technology Intelligent Robot Welding System Product and Services

Table 84. DS Technology Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. DS Technology Recent Developments/Updates

Table 86. DS Technology Competitive Strengths & Weaknesses

Table 87. Path Robotics Basic Information, Manufacturing Base and Competitors

Table 88. Path Robotics Major Business

Table 89. Path Robotics Intelligent Robot Welding System Product and Services

Table 90. Path Robotics Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Path Robotics Recent Developments/Updates

Table 92. Path Robotics Competitive Strengths & Weaknesses

Table 93. SIASUN Basic Information, Manufacturing Base and Competitors

Table 94. SIASUN Major Business

Table 95. SIASUN Intelligent Robot Welding System Product and Services

Table 96. SIASUN Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. SIASUN Recent Developments/Updates

Table 98. SIASUN Competitive Strengths & Weaknesses

Table 99. ABB Basic Information, Manufacturing Base and Competitors

Table 100. ABB Major Business

Table 101. ABB Intelligent Robot Welding System Product and Services

Table 102. ABB Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. ABB Recent Developments/Updates

Table 104. ABB Competitive Strengths & Weaknesses

Table 105. HUAHENG Basic Information, Manufacturing Base and Competitors

Table 106. HUAHENG Major Business

Table 107. HUAHENG Intelligent Robot Welding System Product and Services

Table 108. HUAHENG Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. HUAHENG Recent Developments/Updates

Table 110. HUAHENG Competitive Strengths & Weaknesses

Table 111. KUKA Basic Information, Manufacturing Base and Competitors

Table 112. KUKA Major Business

Table 113. KUKA Intelligent Robot Welding System Product and Services

Table 114. KUKA Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. KUKA Recent Developments/Updates

Table 116. KUKA Competitive Strengths & Weaknesses

Table 117. Pemamek Basic Information, Manufacturing Base and Competitors

Table 118. Pemamek Major Business

Table 119. Pemamek Intelligent Robot Welding System Product and Services

Table 120. Pemamek Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Pemamek Recent Developments/Updates

Table 122. Pemamek Competitive Strengths & Weaknesses

Table 123. Jihoyen Basic Information, Manufacturing Base and Competitors

Table 124. Jihoyen Major Business

Table 125. Jihoyen Intelligent Robot Welding System Product and Services

Table 126. Jihoyen Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Jihoyen Recent Developments/Updates

Table 128. Jihoyen Competitive Strengths & Weaknesses

Table 129. FANUC Basic Information, Manufacturing Base and Competitors

Table 130. FANUC Major Business

Table 131. FANUC Intelligent Robot Welding System Product and Services

Table 132. FANUC Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. FANUC Recent Developments/Updates

Table 134. FANUC Competitive Strengths & Weaknesses

Table 135. Fronius International GmbH Basic Information, Manufacturing Base and Competitors

Table 136. Fronius International GmbH Major Business

Table 137. Fronius International GmbH Intelligent Robot Welding System Product and Services

Table 138. Fronius International GmbH Intelligent Robot Welding System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Fronius International GmbH Recent Developments/Updates

Table 140. Fronius International GmbH Competitive Strengths & Weaknesses

Table 141. Global Key Players of Intelligent Robot Welding System Upstream (Raw Materials)

Table 142. Global Intelligent Robot Welding System Typical Customers

Table 143. Intelligent Robot Welding System Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Intelligent Robot Welding System Picture

Figure 2. World Intelligent Robot Welding System Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Intelligent Robot Welding System Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Intelligent Robot Welding System Production (2021-2032) & (K Units)

Figure 5. World Intelligent Robot Welding System Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Intelligent Robot Welding System Production Value Market Share by Region (2021-2032)

Figure 7. World Intelligent Robot Welding System Production Market Share by Region (2021-2032)

Figure 8. North America Intelligent Robot Welding System Production (2021-2032) & (K Units)

Figure 9. Europe Intelligent Robot Welding System Production (2021-2032) & (K Units)

Figure 10. China Intelligent Robot Welding System Production (2021-2032) & (K Units)

Figure 11. Japan Intelligent Robot Welding System Production (2021-2032) & (K Units)

Figure 12. Intelligent Robot Welding System Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 15. World Intelligent Robot Welding System Consumption Market Share by Region (2021-2032)

Figure 16. United States Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 17. China Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 18. Europe Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 19. Japan Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 20. South Korea Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 22. India Intelligent Robot Welding System Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Intelligent Robot Welding System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Intelligent Robot Welding System Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Intelligent Robot Welding System Markets in 2025

Figure 26. United States VS China: Intelligent Robot Welding System Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Intelligent Robot Welding System Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Intelligent Robot Welding System Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Intelligent Robot Welding System Production Market Share 2025

Figure 30. China Based Manufacturers Intelligent Robot Welding System Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Intelligent Robot Welding System Production Market Share 2025

Figure 32. World Intelligent Robot Welding System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Intelligent Robot Welding System Production Value Market Share by Type in 2025

Figure 34. Sensing and Positioning/Tracking Type

Figure 35. Adaptive Process Parameter Type

Figure 36. Others

Figure 37. World Intelligent Robot Welding System Production Market Share by Type (2021-2032)

Figure 38. World Intelligent Robot Welding System Production Value Market Share by Type (2021-2032)

Figure 39. World Intelligent Robot Welding System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Intelligent Robot Welding System Production Value by Welding Process, (USD Million), 2021 & 2025 & 2032

Figure 41. World Intelligent Robot Welding System Production Value Market Share by Welding Process in 2025

Figure 42. Gas Shielded Welding Robot

Figure 43. Resistance Welding Robot

Figure 44. Laser Welding Robot

Figure 45. Others

Figure 46. World Intelligent Robot Welding System Production Market Share by Welding Process (2021-2032)

Figure 47. World Intelligent Robot Welding System Production Value Market Share by Welding Process (2021-2032)

Figure 48. World Intelligent Robot Welding System Average Price by Welding Process (2021-2032) & (US\$/Unit)

Figure 49. World Intelligent Robot Welding System Production Value by Robot Form, (USD Million), 2021 & 2025 & 2032

Figure 50. World Intelligent Robot Welding System Production Value Market Share by Robot Form in 2025

Figure 51. Articulated Robots

Figure 52. Collaborative Robots

Figure 53. Gantry Robots

Figure 54. World Intelligent Robot Welding System Production Market Share by Robot Form (2021-2032)

Figure 55. World Intelligent Robot Welding System Production Value Market Share by Robot Form (2021-2032)

Figure 56. World Intelligent Robot Welding System Average Price by Robot Form (2021-2032) & (US\$/Unit)

Figure 57. World Intelligent Robot Welding System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 58. World Intelligent Robot Welding System Production Value Market Share by Application in 2025

Figure 59. Automobile Manufacturing

Figure 60. Aerospace

Figure 61. Electronics

Figure 62. Others

Figure 63. World Intelligent Robot Welding System Production Market Share by Application (2021-2032)

Figure 64. World Intelligent Robot Welding System Production Value Market Share by Application (2021-2032)

Figure 65. World Intelligent Robot Welding System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Intelligent Robot Welding System Industry Chain

Figure 67. Intelligent Robot Welding System Procurement Model

Figure 68. Intelligent Robot Welding System Sales Model

Figure 69. Intelligent Robot Welding System Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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