

# Global Intelligent Robot Welding System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Intelligent Robot Welding System market size was valued at US\$ 7718 million in 2025 and is forecast to a readjusted size of US\$ 15510 million by 2032 with a CAGR of 10.4% during review period.

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 is a detailed and comprehensive analysis for global Intelligent Robot Welding System 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 Intelligent Robot Welding System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Intelligent Robot Welding System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Intelligent Robot Welding System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Intelligent Robot Welding System market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Intelligent Robot Welding System

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 Intelligent Robot Welding System 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 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.

## **Market Segmentation**

Intelligent Robot Welding System 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

Sensing and Positioning/Tracking Type

Adaptive Process Parameter Type

Others

### Market segment by Welding Process

Gas Shielded Welding Robot

Resistance Welding Robot

Laser Welding Robot

Others

### Market segment by Robot Form

Articulated Robots

Collaborative Robots

Gantry Robots

#### Market segment by Application

Automobile Manufacturing

Aerospace

Electronics

Others

#### Major players covered

EVS TECH CO.,LTD

DS Technology

Path Robotics

SIASUN

ABB

HUAHENG

KUKA

Pemamek

Jihoyen

FANUC

## Fronius International GmbH

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 Intelligent Robot Welding System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Intelligent Robot Welding System, with price, sales quantity, revenue, and global market share of Intelligent Robot Welding System from 2021 to 2026.

Chapter 3, the Intelligent Robot Welding System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Intelligent Robot Welding System 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 Intelligent Robot Welding System 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.

Chapter 13, the key raw materials and key suppliers, and industry chain of Intelligent Robot Welding System.

Chapter 14 and 15, to describe Intelligent Robot Welding System sales channel, distributors, customers, research findings and conclusion.

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