

# Global Robot Controllers Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

Robot Controller is the brain of the robot, publish and deliver action instructions. Robot Controller includes hardware and software in two parts. The hardware is industrial control board, including some of the main control unit, the signal processing circuit section and software part is the control algorithm. Robot Controller usually is designed by a robot manufacturer independent design and development.

According to our (Global Info Research) latest study, the global Robot Controllers market size was valued at US\$ 659 million in 2023 and is forecast to a readjusted size of USD 1016 million by 2030 with a CAGR of 6.4% during review period.

Global Robot Controllers key players include Fanuc, ABB Robotics, Yasukawa, etc. Global top three manufacturers hold a share over 40%.

China is the largest market, with a share about 25%, followed by Europe, and Japan, both have a share over 30 percent.

In terms of product, Six-Axis Robot Controller is the largest segment, with a share over 45%. And in terms of application, the largest application is Load/Unload Robots, followed by Transfer Robots, etc.

This report is a detailed and comprehensive analysis for global Robot Controllers 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 2024, are provided.

#### Key Features:

Global Robot Controllers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Robot Controllers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Robot Controllers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Robot Controllers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2019-2024

#### 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 Robot Controllers

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 Robot Controllers 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 Fanuc, ABB Robotics, Yasukawa (Motoman), KUKA Roboter, EPSON Factory Automation, Stäubli Robotics, OTC, NACHI-FUJIKOSHI, Kawasaki Robotics, COMAU, etc.

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

## Market Segmentation

Robot Controllers market is split by Type and by Application. For the period 2019-2030, 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

Single-Axis Robot Controller

Four-Axis Robot Controller

Six-Axis Robot Controller

Others

### Market segment by Application

Transfer Robots

Load/Unload Robots

Welding Robots

Assembly Robots

Painting Robot

Others

### Major players covered

Fanuc

ABB Robotics

Yasukawa (Motoman)

KUKA Roboter

EPSON Factory Automation

Stäubli Robotics

OTC

NACHI-FUJIKOSHI

Kawasaki Robotics

COMAU

Durr

Hyundai

Yamaha Motor Industrial Robots

ADEPT TECHNOLOGY

DENSO Robotics Europe

Festo

Siasun

Keba

Googol Technology (HK)

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 Robot Controllers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Robot Controllers, with price, sales quantity, revenue, and global market share of Robot Controllers from 2019 to 2024.

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

Chapter 4, the Robot Controllers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Robot Controllers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Robot Controllers.

Chapter 14 and 15, to describe Robot Controllers sales channel, distributors,

customers, research findings and conclusion.

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