

Global 6-Axis Viper Robots 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 6-Axis Viper Robots market size was valued at US\$ 144 million in 2025 and is forecast to a readjusted size of US\$ 258 million by 2032 with a CAGR of 8.7% during review period.

In 2025, global 6-Axis Viper Robot output reached about 12,000 units, with capacity of 16,000 units per year, average unit price around USD 11,700, and gross margins about 27%. 6-Axis Viper Robots are high-speed articulated industrial robots designed for precision automation tasks, particularly in electronics assembly, packaging, and material handling. The term commonly refers to the Viper series of 6-axis robots developed by OMRON Corporation (originally from Adept Technology), featuring six rotational joints that provide full spatial flexibility for complex pick-and-place, machine tending, and small-part assembly operations. The supply chain begins with upstream components such as precision servo motors, harmonic drives, gear reducers, controllers, machine vision systems, sensors, and aluminum or steel robot frames supplied by motion-control and robotics component manufacturers. In the midstream stage, robotics companies design and manufacture the articulated robots, integrate controllers and safety systems, and develop programming software and vision algorithms. In the downstream stage, system integrators incorporate these robots into automated production lines used by industries such as electronics manufacturing, semiconductor packaging, medical device assembly, consumer goods packaging, and precision industrial automation.

This report is a detailed and comprehensive analysis for global 6-Axis Viper 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 6-Axis Viper Robots market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global 6-Axis Viper Robots market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global 6-Axis Viper Robots market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global 6-Axis Viper Robots market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for 6-Axis Viper 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 6-Axis Viper 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 Mitsubishi Electric, FANUC, KUKA, Yaskawa, Kawasaki, Omron, Epson Robots, St?ubli, Denso Robotics, Comau, etc.

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

Market Segmentation

6-Axis Viper Robots 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

Vision Guided Type

Non-vision Type

Market segment by Payload Capacity

Light Payload Robots (

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