

Global Fluid Rotary Unions Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/F8A93FD77487EN.html>

Date: June 2025

Pages: 118

Price: US\$ 3,480.00 (Single User License)

ID: F8A93FD77487EN

Abstracts

According to our (Global Info Research) latest study, the global Fluid Rotary Unions market size was valued at US\$ 640 million in 2023 and is forecast to a readjusted size of USD 877 million by 2030 with a CAGR of 4.6% during review period.

Fluid Rotary Unions are precision mechanical devices used to transfer fluid from a stationary source, such as a supply pipe, into a rotating piece of machinery.

Global Fluid Rotary Unions key players include Moog, Kadant, Columbus McKinnon, RIX, SRS, etc. Global top five manufacturers hold a share about 25%. Europe is the largest market, with a share about 30%, followed by North America and Asia-Pacific, both have a share over 60 percent. In terms of product, Multi-Channel is the largest segment, with a share about 45%. And in terms of application, the largest application is Industrial, followed by Oil & Gas.

As manufacturing and industrial processes become more automated, there is a greater need for equipment that can handle rotary motion while ensuring continuous fluid flow. Fluid rotary unions are critical for this, especially in automated machines, robotic arms, and CNC machines that require fluid power or lubrication systems.

Fluid rotary unions are used extensively in industrial machines, such as CNC machining centers, rotary tables, and packaging machines, driving the demand for these components.

Advancements in materials science have led to the development of more durable, high-performance rotary unions that can withstand higher pressures, temperatures, and chemical exposure. This increases their lifespan and reliability, making them more attractive for heavy-duty applications.

Modern fluid rotary unions are designed with greater precision, providing more reliable sealing, minimal leakage, and smoother operation. This technological evolution allows

them to meet the growing needs of industries requiring high-performance solutions.

Customization and Versatility: Manufacturers are producing more customized rotary unions to meet specific application requirements. This includes multi-port designs, different size options, and the ability to handle various types of fluids (e.g., water, air, oil) under varying pressure conditions.

As industries shift towards fluid power systems (hydraulic and pneumatic systems) for applications such as material handling, machine tools, and aerospace, the demand for fluid rotary unions increases. These systems require continuous fluid supply without interruption during rotation, making rotary unions essential.

Fluid rotary unions are vital in hydraulic and pneumatic systems that rely on rotating machinery, such as turbines, mixers, and pumps. Their ability to transmit fluids without hindering rotational motion makes them indispensable in these sectors.

This report is a detailed and comprehensive analysis for global Fluid Rotary Unions 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 Fluid Rotary Unions market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

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

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

Global Fluid Rotary Unions market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/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 Fluid Rotary Unions

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 Fluid Rotary Unions 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 Moog, Kadant, Columbus McKinnon, RIX, SRS, Dynamic Sealing Technologies, MOFLON, GAT, Rotary Systems, BGB Innovation, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Fluid Rotary Unions 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 Channel
- Double Channel
- Multi-Channel

Market segment by Application

- Defense
- Industrial
- Marine
- Oil & Gas

Major players covered

- Moog
- Kadant
- Columbus McKinnon
- RIX
- SRS
- Dynamic Sealing Technologies
- MOFLON
- GAT
- Rotary Systems
- BGB Innovation

- Deublin
- Talco
- Senring

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 Fluid Rotary Unions product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Fluid Rotary Unions 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 Fluid Rotary Unions 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 Fluid Rotary Unions.

Chapter 14 and 15, to describe Fluid Rotary Unions sales channel, distributors, customers, research findings and conclusion.

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