

Global Control Rod Drive Mechanism Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

The Control Rod Drive Mechanism is an electric-stepping, motor-actuated linear drive equipped with a magnetic coupler and a positive feedback potentiometer. A five-phase stepping motor drives a pinion gear and a 10-turn potentiometer via a chain and pulley gear mechanism. The pinion gear engages a rack attached to the draw tube, housing an electromagnet attached to the lower end. The electromagnet in turn engages an iron armature, which is attached to a connecting rod assembly, which terminates at its lower end in the control rod itself. The electromagnet, armature and the upper portion of the connecting rod are all housed in a tubular barrel that extends below the water line in the reactor pool. The upper portion of this barrel is ventilated to permit unrestricted rod movement in water, whereas the lower portion has graded vent holes to restrict movement and to provide a damping action when the electromagnet is deenergized and the control rod is released from the drive.

According to our (Global Info Research) latest study, the global Control Rod Drive Mechanism market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Control Rod Drive Mechanism 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 2023, are provided.

Key Features:

Global Control Rod Drive Mechanism market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Control Rod Drive Mechanism market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Control Rod Drive Mechanism market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Control Rod Drive Mechanism market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

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 Control Rod Drive Mechanism

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 Control Rod Drive Mechanism 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 Huadu Nuclear Equipment, Shanghai No. 1 Machine Tool Works, Orano, General Atomics and Mitsubishi Electric Power Products, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.



Market Segmentation

Control Rod Drive Mechanism market is split by Type and by Application. For the period 2018-2029, 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

PWR BWR PHWR GCR LWGR FBR

Market segment by Application

Nuclear Reactor

Nuclear Power Plant

Other

Major players covered

Huadu Nuclear Equipment

Shanghai No. 1 Machine Tool Works

Orano



General Atomics

Mitsubishi Electric Power Products

SKODA JS

Jeumont Electric

Curtiss-Wright

Larsen & Toubro

AMS Corporation

Vallourec S.A.

Framatome

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 Control Rod Drive Mechanism product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Control Rod Drive Mechanism, with price,



sales, revenue and global market share of Control Rod Drive Mechanism from 2018 to 2023.

Chapter 3, the Control Rod Drive Mechanism competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Control Rod Drive Mechanism breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022.and Control Rod Drive Mechanism market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Control Rod Drive Mechanism.

Chapter 14 and 15, to describe Control Rod Drive Mechanism sales channel, distributors, customers, research findings and conclusion.



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