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Global Mechanical and Electronic Fuzes Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Mechanical and Electronic Fuzes market size was valued at US$ 1403 million in 2024 and is forecast to a readjusted size of USD 1817 million by 2031 with a CAGR of 3.8% during review period.

This report studies the Mechanical and Electronic Fuzes market. Fuzes are electronic or mechanical devices attached to ammunition to provide reliable and safe detonations at the desired time and place. These devices control safe separation of ammunition from the delivery platform and trigger its detonation. Missiles, rockets, bombs, shells and other ammunitions form a vital part of the firing capacity of a military in modern warfare. Since these ammunitions are loaded with explosives, there is always a risk of explosion during storage, launching and handling. This requires the incorporation of some security gadgets into these ammunitions. The security system should work until the ammunition is propelled and after the launch, the firing mechanism should take control. In order to accomplish this, an arming mechanism is also required in the ammunition. All the above mentioned necessities are fulfilled by gadgets called fuzes.

Basic functions of fuze are arming, safing, firing and target sensing. Mechanical fuzes have their safing, arming and firing mechanisms which mostly involves mechanical components, linkages and other mechanisms. Due to their simplicity and ease of conceptualization, mechanical fuzes were the earliest fuzes developed and are still used for many different types of ammunitions. Fuzes operated by mechanical devices make use of mechanical linkages like gears, springs, rotors, sliders and plungers or a combination of some of these. As a result of extensive safety requirements, mechanical fuzes have many components and are of a clockwork design.

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There are certain factors that are of primary concern while designing mechanical and electrical fuzes. These include safety and resistance, deterioration in use, handling and storage, reliability of action, simple construction and adequate strength. As a result of extensive safety requirements, mechanical fuzes generally have many components and are of a clockwork design. The electronic fuzes were developed in mid1960's and thereafter, there has been continuous development in this technology. Today, electronic fuzes are being used in many modern weapon systems and have replaced mechanical fuzes in many places.

The industry is concentration for the access restrictions, the key brand include L3 Technologies, Orbital ATK, Kaman, Expal (Maxam Group), JUNGHANS Microtec GmbH, Reutech Fuchs Electronics, DIXI Microtechniques, Sandeep Metalcraft, Reshef Technologies, Anhui Great Wall Military Industry, etc.

This report is a detailed and comprehensive analysis for global Mechanical and Electronic Fuzes 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 Mechanical and Electronic Fuzes market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Mechanical and Electronic Fuzes market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Mechanical and Electronic Fuzes market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Mechanical and Electronic Fuzes market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

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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 Mechanical and Electronic Fuzes

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 Mechanical and Electronic Fuzes 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 L3 Technologies, Orbital ATK, Kaman, Expal (Maxam Group), JUNGHANS Microtec GmbH, Reutech Fuchs Electronics, DIXI Microtechniques, Anhui Great Wall Military Industry, Sandeep Metalcraft, Reshef Technologies, etc.

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

Market Segmentation

Mechanical and Electronic Fuzes market is split by Type and by Application. For the period 2020-2031, 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

Mortar Fuzes

Artillery Fuzes

Rocket and Missile Fuzes

Aircraft Fuzes

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Others

Market segment by Application

Civil Applications

Military Applications

Others

Major players covered

L3 Technologies

Orbital ATK

Kaman

Expal (Maxam Group)

JUNGHANS Microtec GmbH

Reutech Fuchs Electronics

DIXI Microtechniques

Anhui Great Wall Military Industry

Sandeep Metalcraft

Reshef Technologies

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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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 Mechanical and Electronic Fuzes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mechanical and Electronic Fuzes, with price, sales quantity, revenue, and global market share of Mechanical and Electronic Fuzes from 2020 to 2025.

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

Chapter 4, the Mechanical and Electronic Fuzes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025.and Mechanical and Electronic Fuzes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Mechanical

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and Electronic Fuzes.

Chapter 14 and 15, to describe Mechanical and Electronic Fuzes sales channel, distributors, customers, research findings and conclusion.

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Figure 87. Research Process and Data Source

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