

Global Military Actuators Market 2023

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Abstracts

Description

The military actuators market is poised for significant growth, with a projected value of USD 1.45 billion by 2029, exhibiting a compound annual growth rate (CAGR) of 2.5% during the forecast period from 2023 to 2029. Actuators play a crucial role in converting energy into motion and find widespread application in controlling mechanisms and systems. They are powered by electric current, hydraulic fluid pressure, or pneumatic pressure, enabling both linear and rotary motions.

Although the COVID-19 pandemic has had a slight impact on the market, it is expected to rebound as the global economy recovers and manufacturing facilities resume production. The increasing military spending, driven by geopolitical tensions and border issues, is a key factor propelling the demand for military actuators. As companies and armed forces collaborate to implement 3D printing in the defense industry, manufacturing technologies are expected to advance, leading to enhanced efficiency in actuator production.

Furthermore, the Asia-Pacific and Middle East and Africa regions are actively focusing on developing local defense manufacturing facilities. This strategic emphasis provides growth opportunities for companies engaged in actuator manufacturing. By establishing these facilities, these regions aim to strengthen their defense capabilities and reduce reliance on imports, thereby driving the demand for military actuators.

Market Segmentation

The market is segmented based on type, system, application, and geography.

Segmentation by Type

Linear

Rotary

Segmentation by System

Electrical

Hydraulic

Mechanical

Pneumatic

Segmentation by Application

Air

Land

Sea

Segmentation by Geography

North America %li%United States, Canada

Europe %li%United Kingdom, Germany, France, Russia, and Rest of Europe

Asia-Pacific %li%China, Japan, India, South Korea, and Rest of Asia-Pacific

Latin America %li%Brazil, and Rest of Latin America

Middle East and Africa %li%United Arab Emirates, Saudi Arabia, Egypt, Turkey, Rest of Middle East and Africa

OEMs prefer rotary actuators over linear actuators due to advantages like low maintenance, unrestricted travel, and high torque. This drives growth in the rotary actuator market. The military sector is adopting electrical systems and components,

including electric vehicles, aircraft, and weapons, leading to growth in this segment.

Countries globally are increasing defense spending and investing in enhancing their capabilities. Tensions with neighboring nations drive funds towards ground vehicles and military systems. Demand for unmanned ground vehicles rises, leading to new models. The land segment of the actuators market is expected to grow more than the sea and air segments due to increased procurement and development of ground vehicles. North America will witness the highest growth, driven by defense investments. The United States, with a substantial defense budget, leads in enhancing capabilities through advanced weapons, armored vehicles, fighter jets, and military equipment.

Competitive Landscape

The military actuator market is fragmented, with various players supporting military programs. Prominent participants include AMETEK Inc., AUMA Riester GmbH & Co. KG, Creative Motion Control Inc., Curtiss-Wright Corporation, Eaton Corporation PLC (Cobham Mission Systems), Heroux-Devtek Inc., Kyntronics Inc., Liebherr-International Deutschland GmbH, Moog Inc., Nook Industries Inc., Parker Hannifin Corporation, RTX Corporation, Triumph Group Inc., Woodward Inc. They supply actuators for aircraft, unmanned programs, armored vehicles, and surface vehicles.

Recent Industry Developments

In June 2021, Kyntronics announced its participation in the Rockwell Automation Technology Partner program. Their SMART Electro-Hydraulic Actuators will be integrated with Rockwell Automation's servo motors, drives, and controls.

In May 2021, Marotta Controls achieved a significant milestone in their custom fin Control Actuation System (CAS) design project for Lockheed Martin. The project met over 20 military standards and received full component-level qualification. With this approval, the project moved to the high-volume production stage. The CAS is used in various applications, including missiles, torpedoes, munitions, UAVs, and UUVs.

Why Buy This Report?

Get a detailed picture of the Global Military Actuators Market

Identify segments/areas to invest in over the forecast period in the Global Military Actuators Market

Understand the competitive environment, the market's leading players

The market estimate for ease of analysis across scenarios in Excel format

Strategy consulting and research support for three months

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Contents

PART 1. INTRODUCTION

- 1.1 Description
- 1.2 Objectives of The Study
- 1.3 Market Segment
- 1.4 Years Considered for The Report
- 1.5 Currency
- 1.6 Key Target Audience

PART 2. RESEARCH METHODOLOGY

PART 3. EXECUTIVE SUMMARY

PART 4. MARKET OVERVIEW

PART 5. GLOBAL MILITARY ACTUATORS MARKET BY TYPE

- 5.1 Linear
- 5.2 Rotary

PART 6. GLOBAL MILITARY ACTUATORS MARKET BY SYSTEM

- 6.1 Electrical
- 6.2 Hydraulic
- 6.3 Mechanical
- 6.4 Pneumatic

PART 7. GLOBAL MILITARY ACTUATORS MARKET BY APPLICATION

- 7.1 Air
- 7.2 Land
- 7.3 Sea

PART 8. GLOBAL MILITARY ACTUATORS MARKET BY GEOGRAPHY

- 8.1 North America
- 8.2 Europe
- 8.3 Asia-Pacific
- 8.4 Latin America
- 8.5 Middle East and Africa

PART 9. COMPANY PROFILES

- 9.1 AMETEK, Inc.
- 9.2 AUMA Riester GmbH & Co. KG
- 9.3 Creative Motion Control, Inc.
- 9.4 Curtiss-Wright Corporation
- 9.5 Eaton Corporation PLC (Cobham Mission Systems)
- 9.6 Heroux-Devtek Inc.
- 9.7 Kyntronics Inc.
- 9.8 Liebherr-International Deutschland GmbH
- 9.9 Moog Inc.
- 9.10 Nook Industries Inc.
- 9.11 Parker Hannifin Corporation
- 9.12 RTX Corporation
- 9.13 Triumph Group, Inc.
- 9.14 Woodward Inc.

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