

Global Pneumatic Artificial Muscles Market Growth 2024-2030

<https://marketpublishers.com/r/G764CBC48734EN.html>

Date: June 2024

Pages: 82

Price: US\$ 3,660.00 (Single User License)

ID: G764CBC48734EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Soft actuators, also known as pneumatic artificial muscles, generate force by deforming a flexible material with external energy. These artificial muscles are poised to extend their applications beyond industrial robotics, where traditional actuators have predominantly been used.

Pneumatic artificial muscles vary based on the type of energy input. Some, like polymer actuators, deform by applying electrical, magnetic, or chemical energy, while others, specifically pneumatic artificial muscles, deform by fluid pressure such as air or hydraulic pressure.

The global Pneumatic Artificial Muscles market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Pneumatic Artificial Muscles Industry Forecast" looks at past sales and reviews total world Pneumatic Artificial Muscles sales in 2023, providing a comprehensive analysis by region and market sector of projected Pneumatic Artificial Muscles sales for 2024 through 2030. With Pneumatic Artificial Muscles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Pneumatic Artificial Muscles industry.

This Insight Report provides a comprehensive analysis of the global Pneumatic Artificial Muscles landscape and highlights key trends related to product segmentation, company

formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Pneumatic Artificial Muscles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Pneumatic Artificial Muscles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Pneumatic Artificial Muscles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Pneumatic Artificial Muscles.

United States market for Pneumatic Artificial Muscles is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Pneumatic Artificial Muscles is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Pneumatic Artificial Muscles is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Pneumatic Artificial Muscles players cover Festo Corporation, Koganei Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Pneumatic Artificial Muscles market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Contraction-type Muscles

Expansion-type Muscles

Linear-type Muscles

Segmentation by Application:

Industrial

Research

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Festo Corporation

Koganei Corporation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Pneumatic Artificial Muscles market?

What factors are driving Pneumatic Artificial Muscles market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Pneumatic Artificial Muscles market opportunities vary by end market size?

How does Pneumatic Artificial Muscles break out by Type, by Application?

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