

Global Guided Pneumatic Cylinder Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Guided Pneumatic Cylinder market size was valued at US\$ 980 million in 2025 and is forecast to a readjusted size of US\$ 1490 million by 2032 with a CAGR of 6.2% during review period.

In 2025, global sales of guided pneumatic cylinders across various applications reached approximately 5,150,000 units, with an average price of approximately USD 185 per unit and a gross profit margin of approximately 24%–31%. Guided pneumatic cylinders are pneumatic actuators that integrate a single guiding mechanism into a standard cylinder. A typical structure consists of a cylinder barrel and front and rear end caps, a piston and piston rod, two or four high-precision guide rods, guide bushings or bearing seats, a front mounting plate (for mounting fixtures/tools), a buffer and stroke adjustment mechanism, and a magnetic switch slot/sensor interface. Common parameters include: cylinder diameter range of 10–80 mm, standard stroke of 10–200 mm, permissible lateral load of tens to hundreds of Newtons, permissible eccentric load distance of tens of millimeters, repeatability of ± 0.02 – ± 0.1 mm, normal operating pressure of 0.4–0.7 MPa, operating temperature of -10 to $+70$ °C, and some dustproof/waterproof models meeting IP65 or higher standards. In terms of typical usage: a small to medium-sized electronic assembly line or insertion line typically uses 30–120 guided pneumatic cylinders (for lifting, positioning, pressing, and lateral pushing stations); a medium-sized carton forming/folding packaging machine typically uses 8–20 guided pneumatic cylinders for pressing, positioning, and folding actions; and a semi-automatic tooling line for automotive parts uses 20–60 guided pneumatic cylinders in the fixtures, lifting, and error-proofing mechanisms. Upstream demand mainly relies on aluminum profiles and aluminum alloy extrusions, carbon steel/alloy steel (chrome-plated or hard chrome-plated) for precision piston rods and guide rods, brass/aluminum alloy/engineering

plastic guide bushings and seals, die-cast or machined aluminum end caps, and standard magnetic switches and air port connectors; downstream demand is concentrated in automation equipment integrators, standard pneumatic component distributors, electronic and automotive parts assembly lines, packaging machinery and food machinery plants, and various factory automation upgrade projects.

This report is a detailed and comprehensive analysis for global Guided Pneumatic Cylinder market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Maximum Stroke 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 Guided Pneumatic Cylinder market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Guided Pneumatic Cylinder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Guided Pneumatic Cylinder market size and forecasts, by Maximum Stroke and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Guided Pneumatic Cylinder market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Guided Pneumatic Cylinder
- 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 Guided Pneumatic Cylinder 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 SMC, MISUMI, Camozzi, Festo, AirTAC, Compact Automation, Mindman Industrial, CKD, Shako, E-MC, etc.

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

Market Segmentation

Guided Pneumatic Cylinder market is split by Maximum Stroke and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Maximum Stroke, 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 Maximum Stroke

200mm

400mm

Others

Market segment by Bore size

12mm

16mm

32mm

Others

Market segment by Rod Operation Method

Single-Rod

Dual-Rod

Market segment by Application

Electronics/Home Appliance Assembly

Automotive and Metal Factory Automation

General Machinery Manufacturing

Others

Major players covered

SMC

MISUMI

Camozzi

Festo

AirTAC

Compact Automation

Mindman Industrial

CKD

Shako

E·MC

Parker Pneumatic

NITRA

Tolomatic

Pneumax

Foye

FONTAL

JUFAN INDUSTRIAL

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 Guided Pneumatic Cylinder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Guided Pneumatic Cylinder, with price, sales quantity, revenue, and global market share of Guided Pneumatic Cylinder from 2021 to 2026.

Chapter 3, the Guided Pneumatic Cylinder competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Guided Pneumatic Cylinder breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Maximum Stroke and by Application, with sales market share and growth rate by Maximum Stroke, by Application, from 2021 to 2032.

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 2021 to 2026. and Guided Pneumatic Cylinder market forecast, by regions, by Maximum Stroke, and by Application, with sales and revenue, from 2027 to 2032.

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 Guided Pneumatic Cylinder.

Chapter 14 and 15, to describe Guided Pneumatic Cylinder sales channel, distributors, customers, research findings and conclusion.

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