

Global Piezoelectric Fibre Optic Gripper 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 Piezoelectric Fibre Optic Gripper market size was valued at US\$ 547 million in 2024 and is forecast to a readjusted size of USD 724 million by 2031 with a CAGR of 4.1% during review period.

The piezoelectric fibre optic gripper allows precise clamping of fibres and other small parts in assembly and test machines. The gripper can be adjusted to the required clamping pressure.

As the demand for high-speed data transmission, telecommunications, and photonics applications continues to grow, the need for precise fiber optic handling and manipulation tools like piezoelectric grippers may increase. In the field of research and development, piezoelectric fiber optic grippers are used for experimental setups and prototyping, contributing to demand in academic and industrial research environments. Industries manufacturing fiber optic components, such as connectors, couplers, and switches, may require advanced grippers to ensure accurate assembly and alignment. The trend towards automation and smart manufacturing may drive the adoption of advanced grippers as part of automated fiber optic manufacturing processes. As photonics technology continues to advance, the need for tools that enable precise manipulation of optical components becomes increasingly important. Competition among manufacturers in the photonics industry may lead to innovation in gripper designs, features, and functionalities. The increasing need for high-speed and reliable data transmission in various sectors, including telecommunications, data centers, and healthcare, can impact the demand for advanced fiber optic handling tools.

This report is a detailed and comprehensive analysis for global Piezoelectric Fibre Optic

Gripper 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 Piezoelectric Fibre Optic Gripper market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoelectric Fibre Optic Gripper market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoelectric Fibre Optic Gripper market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoelectric Fibre Optic Gripper market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

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 Piezoelectric Fibre Optic Gripper
- 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 Piezoelectric Fibre Optic Gripper 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 ABB E-mobility, Acieta, Air Technical Industries, American Crane & Equipment Corp., Arkema Piezotech, ATI Industrial Automation, Blue Photon Technology & Workholding Systems LLC, CIM SYSTEMS, INC., Compact Automation Products, Dixon Automatic Tool, Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Piezoelectric Fibre Optic Gripper 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

Pneumatic

Electric

Market segment by Application

Mechanical Engineering

Automotive Industry

Aerospace

Oil And Gas

Chemical Industry

Medical Technology

Electrical Industry

Major players covered

ABB E-mobility

Acieta

Air Technical Industries

American Crane & Equipment Corp.

Arkema Piezotech

ATI Industrial Automation

Blue Photon Technology & Workholding Systems LLC

CIM SYSTEMS, INC.

Compact Automation Products

Dixon Automatic Tool, Inc.

Finch Automation

GMT Global Inc.

Inper

Intelligent Actuator, Inc.

Johnson Matthey Piezo Products GmbH

Kent Machine, Inc.

Kinequip, Inc

MCI Systems, Inc.

PFA, Inc.

PI

Piezosystem Jena GmbH

Pro-Lite Technology

SmarAct GmbH

SoftGripping

The Gripper Company

Unidex Corporation

Unlimited Electro

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 Piezoelectric Fibre Optic Gripper product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piezoelectric Fibre Optic Gripper, with price, sales quantity, revenue, and global market share of Piezoelectric Fibre Optic Gripper from 2020 to 2025.

Chapter 3, the Piezoelectric Fibre Optic Gripper competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Piezoelectric Fibre Optic Gripper 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 Piezoelectric Fibre Optic Gripper 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 Piezoelectric Fibre Optic Gripper.

Chapter 14 and 15, to describe Piezoelectric Fibre Optic Gripper sales channel, distributors, customers, research findings and conclusion.

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