

Global Fingertip Force Sensor for Robot 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 Fingertip Force Sensor for Robot market size was valued at US\$ 31.9 million in 2024 and is forecast to a readjusted size of USD 139 million by 2031 with a CAGR of 22.9% during review period.

A fingertip force sensor is an electronic device designed to measure the amount of force or pressure exerted on the surface of the fingertip. The sensor typically incorporates sensitive materials or technologies (such as piezoelectric, piezoresistive, or capacitive sensors) that detect small mechanical deformations caused by applied force. The data generated by the sensor is then processed to quantify the force applied, allowing it to be used for precise applications where the amount of force needs to be monitored or controlled.

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

Global Fingertip Force Sensor for Robot 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 Fingertip Force Sensor for Robot 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 Fingertip Force Sensor for Robot market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Fingertip Force Sensor for Robot

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 Fingertip Force Sensor for Robot 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 Tekscan, Pressure Profile Systems, Sensor Products Inc., Weiss Robotics, SynTouch, Tacterion GmbH, FUTEK, PaXini Tech), etc.

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

Market Segmentation

Fingertip Force Sensor for Robot 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

Single-point Type

Multi-point Type

Market segment by Application

Robotic Gripper

Dexterous Hand

Major players covered

Tekscan

Pressure Profile Systems

Sensor Products Inc.

Weiss Robotics

SynTouch

Tacterion GmbH

FUTEK

PaXini Tech)

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:

Global Fingertip Force Sensor for Robot Market 2025 by Manufacturers, Regions, Type and Application, Forecast...

Chapter 1, to describe Fingertip Force Sensor for Robot product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Fingertip Force Sensor for Robot, with price, sales quantity, revenue, and global market share of Fingertip Force Sensor for Robot from 2020 to 2025.

Chapter 3, the Fingertip Force Sensor for Robot competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Fingertip Force Sensor for Robot 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 Fingertip Force Sensor for Robot 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 Fingertip Force Sensor for Robot.

Chapter 14 and 15, to describe Fingertip Force Sensor for Robot sales channel, distributors, customers, research findings and conclusion.

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