

Global Penning Gauge Market Growth 2023-2029

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Abstracts

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Penning gauge is a cold-cathode ionization gauge. In the Penning (vacuum) gauge, an annular electrode (anode) is placed between a pair of parallel plate electrodes (cathode), and a magnetic field is applied parallel to their axes to lengthen the traveling distance of electrons. As a result, constant discharge occurs even at a low pressure, thus the Penning gauge can measure the pressure of the middle to high vacuum region or 1 to 10⁻⁴Pa. The produced current is proportional to the pressure of the vacuum. For a TEM, the gauge is used for switching of the evacuation system from the diffusion pumping (DP) to the sputter ion pumping (SIP) because the gauge is robust and easy to use.

LPI (LP Information)' newest research report, the "Penning Gauge Industry Forecast" looks at past sales and reviews total world Penning Gauge sales in 2022, providing a comprehensive analysis by region and market sector of projected Penning Gauge sales for 2023 through 2029. With Penning Gauge sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Penning Gauge industry.

This Insight Report provides a comprehensive analysis of the global Penning Gauge 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 Penning Gauge portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Penning Gauge market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Penning Gauge 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 Penning Gauge.

The global Penning Gauge market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Penning Gauge is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Penning Gauge is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Penning Gauge is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Penning Gauge players cover Inficon, Edwards, ALFA TECHNOVAC LLP, JEOL Ltd., ReBorn and Infitech, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

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

Market Segmentation:

Segmentation by type

Ordinary Penning Gauge

Magnetron Penning Gauge

Segmentation by application

Laboratory

Industrial

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 analyzing the company's coverage, product portfolio, its market penetration.

Inficon

Edwards

ALFA TECHNOVAC LLP

JEOL Ltd.

ReBorn

Infitech

Key Questions Addressed in this Report

What is the 10-year outlook for the global Penning Gauge market?

What factors are driving Penning Gauge market growth, globally and by region?

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

How do Penning Gauge market opportunities vary by end market size?

How does Penning Gauge break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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