

Global Pulse-Less Metering Pumps Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Pulse-Less Metering Pumps market size is expected to reach \$ 849 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

Pulse-free metering pumps typically refer to metering pumps that, through special structures or drive mechanisms, reduce the periodic flow fluctuations caused by the 'intake-discharge' cycle of traditional reciprocating pumps to extremely low levels, achieving a near-continuous, linear, and stable flow output. Typical technological approaches include: high-precision gear metering pumps, miniature ring gear pumps, diaphragm metering pumps with innovative drive structures, and ultra-high-precision plunger metering pumps. CIRCOR's Zenith precision gear metering pumps explicitly claim to provide accurate, reliable, and 'pulse-free' metering performance under various operating conditions. Its H-series is specifically designed for applications requiring stable and repeatable flow control in processes such as adhesives, additives, polymers, plasticizers, oils, and inks.

In 2025, global Pulse-Less Metering Pumps sales reached approximately 136 K Units, with an average global market price of around 3,868 US\$/Units. Production capacity reached 200 K Units, with a gross profit margin of approximately 35%.

From a process perspective, the modular production of chemicals, polymer processing, food and personal care products, electronic chemicals, and even pharmaceuticals has significantly increased the demand for 'high-precision, repeatable, and stable pulsation-free' quantitative delivery. Zenith precision gear metering pumps are widely used in cosmetics, confectionery, ice cream, toothpaste, liquid soap, and tissue coating applications. Their 'virtually pulse-free fluid performance' and tight internal clearances

are used to ensure the consistency and appearance quality of key additives, adhesives, and coatings on the production line. In the field of high-viscosity, shear-sensitive media, such as polymer melts and specialty resins, Zenith H-series and Slack & Parr precision gear metering pumps can continuously provide flow rates with extremely low pulsation under high temperature and high pressure, meeting the stringent flow rate control requirements of extrusion, spinning, and film production. Tacmina Smoothflow pumps and Fuji Techno Super Metering Pumps are directly aimed at fine chemicals, electronic materials, and coating processes, emphasizing constant flow rate, no bubbles, and no pulsation under pressure and viscosity changes, and are suitable for precise metering of UV-curable resins, polyurethanes, and high-solids slurries.

This report studies the global Pulse-Less Metering Pumps production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Pulse-Less Metering Pumps and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Pulse-Less Metering Pumps that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Pulse-Less Metering Pumps total production and demand, 2021-2032, (K Units)

Global Pulse-Less Metering Pumps total production value, 2021-2032, (USD Million)

Global Pulse-Less Metering Pumps production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Pulse-Less Metering Pumps consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Pulse-Less Metering Pumps domestic production, consumption, key domestic manufacturers and share

Global Pulse-Less Metering Pumps production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Pulse-Less Metering Pumps production by Flow Range, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Pulse-Less Metering Pumps production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Pulse-Less Metering Pumps market based on the following parameters - company overview, production, value, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Slack & Parr, Wanner Engineering, CheonSei, Fuji Techno, Nikkiso, Suurmond BV, Youngjin Biochrom, HNP Mikrosysteme GmbH, Tacmina Corporation, CIRCOR Zenith Pumps, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Pulse-Less Metering Pumps market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Flow Range, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Pulse-Less Metering Pumps Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Pulse-Less Metering Pumps Market, Segmentation by Flow Range:

Below 500 L/H

500-1000 L/H

Above 1000 L/H

Global Pulse-Less Metering Pumps Market, Segmentation by Type:

Low Viscosity

High Viscosity

Global Pulse-Less Metering Pumps Market, Segmentation by Materials:

Cast Iron

Stainless Steel

Others

Global Pulse-Less Metering Pumps Market, Segmentation by Application:

Chemical Industry

Pharmaceutical

Food and Beverage

Semiconductor

Others

Companies Profiled:

Slack & Parr

Wanner Engineering

CheonSei

Fuji Techno

Nikkiso

Suurmond BV

Youngjin Biochrom

HNP Mikrosysteme GmbH

Tacmina Corporation

CIRCOR Zenith Pumps

Zhejiang Ligao Pump Technology

Shanghai Jonsn Fluid Equipment

Guangzhou Ampump

Key Questions Answered:

1. How big is the global Pulse-Less Metering Pumps market?
2. What is the demand of the global Pulse-Less Metering Pumps market?
3. What is the year over year growth of the global Pulse-Less Metering Pumps market?
4. What is the production and production value of the global Pulse-Less Metering Pumps market?
5. Who are the key producers in the global Pulse-Less Metering Pumps market?
6. What are the growth factors driving the market demand?

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