

# Global Closed Loop Artificial Pancreas System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

Artificial pancreas refers to the use of electronic machinery to replace the endocrine function of the pancreas. Since islets are the endocrine part of the pancreas, the correct name for this artificial organ should be artificial islets. However, the traditional name "artificial pancreas" is still commonly used internationally. The artificial pancreas closedloop system is an automatic insulin delivery device (AID) that can automatically infuse basal insulin to make our nighttime blood sugar more stable. Although insulin needs to be infused manually during meals, its operation interface will provide intelligent Mealtime insulin dosing recommendations. The system consists of three elements, including a dynamic blood glucose monitoring system, an insulin pump and a central algorithm control system, so that the system can determine the insulin infusion dose based on real-time dynamic blood glucose monitoring results.

According to our (Global Info Research) latest study, the global Closed Loop Artificial Pancreas System market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

This report is a detailed and comprehensive analysis for global Closed Loop Artificial Pancreas System 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 2024, are provided.

#### Key Features:



Global Closed Loop Artificial Pancreas System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Closed Loop Artificial Pancreas System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Closed Loop Artificial Pancreas System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Closed Loop Artificial Pancreas System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2019-2024

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 Closed Loop Artificial Pancreas System

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 Closed Loop Artificial Pancreas System 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 Medtronic, Tandem Diabetes Care, Admetsys, Insulet, Defymed, Beta Bionics (iLet), Bigfoot Biomedical, Dexcom, MicroTech Medical (Hangzhou) Co., Ltd., Medtrum, etc.

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

Market Segmentation



Closed Loop Artificial Pancreas System market is split by Type and by Application. For the period 2019-2030, 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

Hybrid Closed Loop Systems

DIY Closed Loop Systems

Market segment by Application

Children with Type 1 Diabetes

Adults with Type 1 Diabetes

Major players covered

Medtronic

Tandem Diabetes Care

Admetsys

Insulet

Defymed

Beta Bionics (iLet)

**Bigfoot Biomedical** 

Dexcom

MicroTech Medical (Hangzhou) Co., Ltd.



Medtrum

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 Closed Loop Artificial Pancreas System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Closed Loop Artificial Pancreas System, with price, sales quantity, revenue, and global market share of Closed Loop Artificial Pancreas System from 2019 to 2024.

Chapter 3, the Closed Loop Artificial Pancreas System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Closed Loop Artificial Pancreas System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019



to 2024.and Closed Loop Artificial Pancreas System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Closed Loop Artificial Pancreas System.

Chapter 14 and 15, to describe Closed Loop Artificial Pancreas System sales channel, distributors, customers, research findings and conclusion.



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