

Global Handheld Liquid Nitrogen Sprayer Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Handheld Liquid Nitrogen Sprayer market size was valued at US\$ 34.78 million in 2025 and is forecast to a readjusted size of US\$ 55.08 million by 2032 with a CAGR of 6.6% during review period.

Handheld liquid nitrogen sprayer is a portable cryogenic spraying device that atomizes or sprays liquid nitrogen under controlled conditions for rapid cooling, cryogenic treatment, or low-temperature experimental applications.

In 2025, the global production volume of handheld liquid nitrogen sprayers is projected to reach 65,000 units, with an average price of \$520 per unit.

This report is a detailed and comprehensive analysis for global Handheld Liquid Nitrogen Sprayer 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 Handheld Liquid Nitrogen Sprayer market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Liquid Nitrogen Sprayer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Liquid Nitrogen Sprayer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Liquid Nitrogen Sprayer market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

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 Handheld Liquid Nitrogen Sprayer

- 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 Handheld Liquid Nitrogen Sprayer 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 Brymill Cryogenic Systems, CooperSurgical / Wallach Surgical, Premier Medical, Cryofab, U.S. Solid, Cortex Technology, Special Medical Technology, EROND / Kozmomed, Metrum Cryoflex, Cryosense, etc.

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

Market Segmentation

Handheld Liquid Nitrogen Sprayer market is split by Type and by Application. For the period 2021-2032, 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

Below 100ml

100-300ml

300-500ml

Above 500ml

Market segment by Spray Control Mode

Manual Press Type

Trigger Type

Electric Control Type

Market segment by Filling Method

Disposable Type

Refillable Type

Market segment by Application

Medical Dermatology Cryotherapy

Industrial Precision Parts Cold Assembly

Laboratory Low Temperature Experiments and Sample Processing

Electronic Components Low Temperature Testing

Food Local Freezing Processing

Major players covered

Brymill Cryogenic Systems

CooperSurgical / Wallach Surgical

Premier Medical

Cryofab

U.S. Solid

Cortex Technology

Special Medical Technology

EROND / Kozmomed

Metrum Cryoflex

Cryosense

KRION

Grand Cryo

Kriomedpol

Cryonic Medical

Medsor Impex

Medono India

Paul Medical Systems

SKRILIX

Xinxiang LN Special Equipment

Med-Sources

Changchun Lepu Technology

Beijing Hengaode Instrument

Beijing Xiangyun Electronic Equipment Factory

Xi'an Xichuan Medical Equipment

Shanghai Wu Cool Technology

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 Handheld Liquid Nitrogen Sprayer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Handheld Liquid Nitrogen Sprayer, with price, sales quantity, revenue, and global market share of Handheld Liquid

Nitrogen Sprayer from 2021 to 2026.

Chapter 3, the Handheld Liquid Nitrogen Sprayer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Handheld Liquid Nitrogen Sprayer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Handheld Liquid Nitrogen Sprayer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Handheld Liquid Nitrogen Sprayer.

Chapter 14 and 15, to describe Handheld Liquid Nitrogen Sprayer sales channel, distributors, customers, research findings and conclusion.

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