

# Global Cryogenic Grinding Equipment Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6CD18B7C163EN.html>

Date: February 2026

Pages: 129

Price: US\$ 4,480.00 (Single User License)

ID: G6CD18B7C163EN

## Abstracts

The global Cryogenic Grinding Equipment market size is expected to reach \$ 343 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

Cryogenic Grinding Equipment refers to industrial milling systems that use cryogenic media, typically liquid nitrogen or liquid carbon dioxide, to cool materials to very low temperatures before and during grinding, making them brittle and enabling efficient size reduction while preserving material properties, preventing thermal degradation, reducing oxidation, and improving particle size control for heat-sensitive, elastic, or volatile materials.

The cryogenic grinding equipment industry chain starts upstream with suppliers of structural steel, precision-machined components, grinding media, cryogenic valves, sensors, control systems, and industrial gases such as liquid nitrogen and carbon dioxide, continues midstream with equipment manufacturers and system integrators responsible for mechanical design, cryogenic system integration, automation, assembly, testing and commissioning, and extends downstream to food, pharmaceutical, chemical, rubber, plastic, battery and recycling industries that require fine, temperature-controlled grinding solutions.

Projects under construction and planned in the cryogenic grinding equipment sector mainly include expansion of specialized cryogenic machinery manufacturing plants, development of high-capacity continuous grinding lines, construction of application-oriented pilot and testing centers, R&D investment in energy-efficient cryogenic cooling and fine-particle control technologies, localization of production facilities in emerging markets, and strategic cooperation projects between equipment manufacturers and

industrial gas suppliers to offer integrated solutions.

2025 Global Market sales Volume: 13,665 units. Average Global Market Price: USD 16,266 per unit. Market Average Gross Profit Margin: 30%.

The cryogenic grinding equipment market is developing steadily, driven by increasing demand for high-quality, heat-sensitive material processing across food, pharmaceutical, polymer, and advanced materials industries. Compared with conventional grinding, cryogenic grinding offers superior product quality, finer particle size distribution, and reduced material loss, making it attractive for premium and regulated applications. Market growth is closely linked to downstream industrial upgrading and stricter quality requirements. Equipment systems are typically customized, resulting in higher unit prices and longer sales cycles. Technical barriers and safety requirements create moderate to high entry thresholds for new participants.

From a regional perspective, North America and Europe represent mature markets with strong adoption in pharmaceuticals, specialty chemicals, and food processing. Asia-Pacific is the fastest-growing region, led by China and India, where food processing, plastics recycling, and battery material industries are expanding rapidly. Japan and South Korea contribute through advanced material and precision processing demand. Emerging markets in Southeast Asia and Latin America are gradually adopting cryogenic grinding as industrial standards rise. Regional industrial gas supply infrastructure significantly influences market penetration.

Market opportunities are driven by growth in clean-label food ingredients, pharmaceutical fine powders, elastomer recycling, and next-generation battery materials. Integration with automated production lines and energy-efficient cryogenic systems offers further upside. Risks include high capital expenditure, dependence on industrial gas pricing, and operational complexity. Market trends include continuous-system adoption, higher automation, improved energy efficiency, and integrated equipment–gas supply solutions. Competitive characteristics are defined by a small number of specialized global equipment manufacturers, strong engineering customization capabilities, close partnerships with industrial gas suppliers, and long-term customer relationships rather than pure price competition.

This report studies the global Cryogenic Grinding Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cryogenic Grinding Equipment 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 Cryogenic Grinding Equipment that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Cryogenic Grinding Equipment total production and demand, 2021-2032, (K Units)

Global Cryogenic Grinding Equipment total production value, 2021-2032, (USD Million)

Global Cryogenic Grinding Equipment production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Cryogenic Grinding Equipment consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Cryogenic Grinding Equipment domestic production, consumption, key domestic manufacturers and share

Global Cryogenic Grinding Equipment production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Cryogenic Grinding Equipment production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Cryogenic Grinding Equipment production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Cryogenic Grinding Equipment 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 YENCHEN MACHINERY CO., LTD, MechAir, Jiangyin Baoli Machinery Manufacturing Co., Ltd, Sifter International, Hosokawa Micron Group, Air Products, Fritsch, Retsch GmbH, PALLMANN, Pulva Corporation, 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 Cryogenic Grinding Equipment market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (K US\$/Unit)

by manufacturer, by Type, 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 Cryogenic Grinding Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Cryogenic Grinding Equipment Market, Segmentation by Type:

Vertical

Desktop

#### Global Cryogenic Grinding Equipment Market, Segmentation by Grinding Mechanism:

Cryogenic Impact Mill

Cryogenic Attrition Mill

Cryogenic Pin Mill

Cryogenic Hammer Mill

## Global Cryogenic Grinding Equipment Market, Segmentation by Cooling Medium:

Liquid Nitrogen Cryogenic Grinding System

Liquid Carbon Dioxide Cryogenic Grinding System

## Global Cryogenic Grinding Equipment Market, Segmentation by Application:

Food and Pharmaceutical

Spices

Others

## Companies Profiled:

YENCHEN MACHINERY CO., LTD

MechAir

Jiangyin Baoli Machinery Manufacturing Co., Ltd

Sifter International

Hosokawa Micron Group

Air Products

Fritsch

Retsch GmbH

PALLMANN

Pulva Corporation

Powder Bank Japan

SPEX SamplePrep, LLC

**Key Questions Answered:**

1. How big is the global Cryogenic Grinding Equipment market?
2. What is the demand of the global Cryogenic Grinding Equipment market?
3. What is the year over year growth of the global Cryogenic Grinding Equipment market?
4. What is the production and production value of the global Cryogenic Grinding Equipment market?
5. Who are the key producers in the global Cryogenic Grinding Equipment market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 AI Image Upscaler Introduction
- 1.2 World AI Image Upscaler Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World AI Image Upscaler Total Market by Region (by Headquarter Location)
  - 1.3.1 World AI Image Upscaler Market Size by Region (2021-2032), (by Headquarter Location)
  - 1.3.2 United States Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.3 China Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.4 Europe Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.5 Japan Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.6 South Korea Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.7 ASEAN Based Company AI Image Upscaler Revenue (2021-2032)
  - 1.3.8 India Based Company AI Image Upscaler Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 AI Image Upscaler Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World AI Image Upscaler Consumption Value (2021-2032)
- 2.2 World AI Image Upscaler Consumption Value by Region
  - 2.2.1 World AI Image Upscaler Consumption Value by Region (2021-2026)
  - 2.2.2 World AI Image Upscaler Consumption Value Forecast by Region (2027-2032)
- 2.3 United States AI Image Upscaler Consumption Value (2021-2032)
- 2.4 China AI Image Upscaler Consumption Value (2021-2032)
- 2.5 Europe AI Image Upscaler Consumption Value (2021-2032)
- 2.6 Japan AI Image Upscaler Consumption Value (2021-2032)
- 2.7 South Korea AI Image Upscaler Consumption Value (2021-2032)
- 2.8 ASEAN AI Image Upscaler Consumption Value (2021-2032)
- 2.9 India AI Image Upscaler Consumption Value (2021-2032)

### 3 WORLD AI IMAGE UPSCALER COMPANIES COMPETITIVE ANALYSIS

- 3.1 World AI Image Upscaler Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)

- 3.2.1 Global AI Image Upscaler Industry Rank of Major Players
- 3.2.2 Global Concentration Ratios (CR4) for AI Image Upscaler in 2025
- 3.2.3 Global Concentration Ratios (CR8) for AI Image Upscaler in 2025
- 3.3 AI Image Upscaler Company Evaluation Quadrant
- 3.4 AI Image Upscaler Market: Overall Company Footprint Analysis
  - 3.4.1 AI Image Upscaler Market: Region Footprint
  - 3.4.2 AI Image Upscaler Market: Company Product Type Footprint
  - 3.4.3 AI Image Upscaler Market: Company Product Application Footprint
- 3.5 Competitive Environment
  - 3.5.1 Historical Structure of the Industry
  - 3.5.2 Barriers of Market Entry
  - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

## **4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)**

- 4.1 United States VS China: AI Image Upscaler Revenue Comparison (by Headquarter Location)
  - 4.1.1 United States VS China: AI Image Upscaler Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
  - 4.1.2 United States VS China: AI Image Upscaler Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: AI Image Upscaler Consumption Value Comparison
  - 4.2.1 United States VS China: AI Image Upscaler Consumption Value Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: AI Image Upscaler Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based AI Image Upscaler Companies and Market Share, 2021-2026
  - 4.3.1 United States Based AI Image Upscaler Companies, Headquarters (States, Country)
  - 4.3.2 United States Based Companies AI Image Upscaler Revenue, (2021-2026)
- 4.4 China Based Companies AI Image Upscaler Revenue and Market Share, 2021-2026
  - 4.4.1 China Based AI Image Upscaler Companies, Company Headquarters (Province, Country)
  - 4.4.2 China Based Companies AI Image Upscaler Revenue, (2021-2026)
- 4.5 Rest of World Based AI Image Upscaler Companies and Market Share, 2021-2026

4.5.1 Rest of World Based AI Image Upscaler Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies AI Image Upscaler Revenue (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World AI Image Upscaler Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Local Deployment

5.2.2 Cloud-based

5.3 Market Segment by Type

5.3.1 World AI Image Upscaler Market Size by Type (2021-2026)

5.3.2 World AI Image Upscaler Market Size by Type (2027-2032)

5.3.3 World AI Image Upscaler Market Size Market Share by Type (2027-2032)

## **6 MARKET ANALYSIS BY TECHNICAL PRINCIPLES**

6.1 World AI Image Upscaler Market Size Overview by Technical Principles: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Technical Principles

6.2.1 Based on GAN

6.2.2 Based on CNN

6.3 Market Segment by Technical Principles

6.3.1 World AI Image Upscaler Market Size by Technical Principles (2021-2026)

6.3.2 World AI Image Upscaler Market Size by Technical Principles (2027-2032)

6.3.3 World AI Image Upscaler Market Size Market Share by Technical Principles (2027-2032)

## **7 MARKET ANALYSIS BY PROCESSING OBJECTS**

7.1 World AI Image Upscaler Market Size Overview by Processing Objects: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Processing Objects

7.2.1 Portrait-specific Upscaler

7.2.2 Landscape/Architectural Images

7.3 Market Segment by Processing Objects

7.3.1 World AI Image Upscaler Market Size by Processing Objects (2021-2026)

7.3.2 World AI Image Upscaler Market Size by Processing Objects (2027-2032)

7.3.3 World AI Image Upscaler Market Size Market Share by Processing Objects

(2027-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World AI Image Upscaler Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Old Photo Restoration

8.2.2 Film and Television HD Remastering

8.2.3 Medical Image Analysis

8.2.4 Satellite Image Processing

8.2.5 Other

8.3 Market Segment by Application

8.3.1 World AI Image Upscaler Market Size by Application (2021-2026)

8.3.2 World AI Image Upscaler Market Size by Application (2027-2032)

8.3.3 World AI Image Upscaler Market Size Market Share by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 Topaz Labs

9.1.1 Topaz Labs Details

9.1.2 Topaz Labs Major Business

9.1.3 Topaz Labs AI Image Upscaler Product and Services

9.1.4 Topaz Labs AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Topaz Labs Recent Developments/Updates

9.1.6 Topaz Labs Competitive Strengths & Weaknesses

9.2 Adobe Photoshop

9.2.1 Adobe Photoshop Details

9.2.2 Adobe Photoshop Major Business

9.2.3 Adobe Photoshop AI Image Upscaler Product and Services

9.2.4 Adobe Photoshop AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 Adobe Photoshop Recent Developments/Updates

9.2.6 Adobe Photoshop Competitive Strengths & Weaknesses

9.3 Canva Image Upscaler

9.3.1 Canva Image Upscaler Details

9.3.2 Canva Image Upscaler Major Business

9.3.3 Canva Image Upscaler AI Image Upscaler Product and Services

9.3.4 Canva Image Upscaler AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 Canva Image Upscaler Recent Developments/Updates

9.3.6 Canva Image Upscaler Competitive Strengths & Weaknesses

9.4 Remini

9.4.1 Remini Details

9.4.2 Remini Major Business

9.4.3 Remini AI Image Upscaler Product and Services

9.4.4 Remini AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.4.5 Remini Recent Developments/Updates

9.4.6 Remini Competitive Strengths & Weaknesses

9.5 Let's Enhance

9.5.1 Let's Enhance Details

9.5.2 Let's Enhance Major Business

9.5.3 Let's Enhance AI Image Upscaler Product and Services

9.5.4 Let's Enhance AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.5.5 Let's Enhance Recent Developments/Updates

9.5.6 Let's Enhance Competitive Strengths & Weaknesses

9.6 icons8 Smart Upscaler

9.6.1 icons8 Smart Upscaler Details

9.6.2 icons8 Smart Upscaler Major Business

9.6.3 icons8 Smart Upscaler AI Image Upscaler Product and Services

9.6.4 icons8 Smart Upscaler AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.6.5 icons8 Smart Upscaler Recent Developments/Updates

9.6.6 icons8 Smart Upscaler Competitive Strengths & Weaknesses

9.7 Deep Image AI

9.7.1 Deep Image AI Details

9.7.2 Deep Image AI Major Business

9.7.3 Deep Image AI AI Image Upscaler Product and Services

9.7.4 Deep Image AI AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)

9.7.5 Deep Image AI Recent Developments/Updates

9.7.6 Deep Image AI Competitive Strengths & Weaknesses

9.8 HitPaw

9.8.1 HitPaw Details

9.8.2 HitPaw Major Business

- 9.8.3 HitPaw AI Image Upscaler Product and Services
- 9.8.4 HitPaw AI Image Upscaler Revenue, Gross Margin and Market Share  
(2021-2026)
- 9.8.5 HitPaw Recent Developments/Updates
- 9.8.6 HitPaw Competitive Strengths & Weaknesses
- 9.9 ON1 Resize AI
  - 9.9.1 ON1 Resize AI Details
  - 9.9.2 ON1 Resize AI Major Business
  - 9.9.3 ON1 Resize AI AI Image Upscaler Product and Services
  - 9.9.4 ON1 Resize AI AI Image Upscaler Revenue, Gross Margin and Market Share  
(2021-2026)
  - 9.9.5 ON1 Resize AI Recent Developments/Updates
  - 9.9.6 ON1 Resize AI Competitive Strengths & Weaknesses
- 9.10 VanceAI
  - 9.10.1 VanceAI Details
  - 9.10.2 VanceAI Major Business
  - 9.10.3 VanceAI AI Image Upscaler Product and Services
  - 9.10.4 VanceAI AI Image Upscaler Revenue, Gross Margin and Market Share  
(2021-2026)
  - 9.10.5 VanceAI Recent Developments/Updates
  - 9.10.6 VanceAI Competitive Strengths & Weaknesses
- 9.11 BigJPG
  - 9.11.1 BigJPG Details
  - 9.11.2 BigJPG Major Business
  - 9.11.3 BigJPG AI Image Upscaler Product and Services
  - 9.11.4 BigJPG AI Image Upscaler Revenue, Gross Margin and Market Share  
(2021-2026)
  - 9.11.5 BigJPG Recent Developments/Updates
  - 9.11.6 BigJPG Competitive Strengths & Weaknesses
- 9.12 cre8tiveAI
  - 9.12.1 cre8tiveAI Details
  - 9.12.2 cre8tiveAI Major Business
  - 9.12.3 cre8tiveAI AI Image Upscaler Product and Services
  - 9.12.4 cre8tiveAI AI Image Upscaler Revenue, Gross Margin and Market Share  
(2021-2026)
  - 9.12.5 cre8tiveAI Recent Developments/Updates
  - 9.12.6 cre8tiveAI Competitive Strengths & Weaknesses
- 9.13 Waifu2x
  - 9.13.1 Waifu2x Details

- 9.13.2 Waifu2x Major Business
- 9.13.3 Waifu2x AI Image Upscaler Product and Services
- 9.13.4 Waifu2x AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
- 9.13.5 Waifu2x Recent Developments/Updates
- 9.13.6 Waifu2x Competitive Strengths & Weaknesses
- 9.14 Upscayl
  - 9.14.1 Upscayl Details
  - 9.14.2 Upscayl Major Business
  - 9.14.3 Upscayl AI Image Upscaler Product and Services
  - 9.14.4 Upscayl AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
  - 9.14.5 Upscayl Recent Developments/Updates
  - 9.14.6 Upscayl Competitive Strengths & Weaknesses
- 9.15 Pixbim Enlarge AI
  - 9.15.1 Pixbim Enlarge AI Details
  - 9.15.2 Pixbim Enlarge AI Major Business
  - 9.15.3 Pixbim Enlarge AI AI Image Upscaler Product and Services
  - 9.15.4 Pixbim Enlarge AI AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
  - 9.15.5 Pixbim Enlarge AI Recent Developments/Updates
  - 9.15.6 Pixbim Enlarge AI Competitive Strengths & Weaknesses
- 9.16 Aiseesoft Image Upscaler
  - 9.16.1 Aiseesoft Image Upscaler Details
  - 9.16.2 Aiseesoft Image Upscaler Major Business
  - 9.16.3 Aiseesoft Image Upscaler AI Image Upscaler Product and Services
  - 9.16.4 Aiseesoft Image Upscaler AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
  - 9.16.5 Aiseesoft Image Upscaler Recent Developments/Updates
  - 9.16.6 Aiseesoft Image Upscaler Competitive Strengths & Weaknesses
- 9.17 A Sharper Scaling
  - 9.17.1 A Sharper Scaling Details
  - 9.17.2 A Sharper Scaling Major Business
  - 9.17.3 A Sharper Scaling AI Image Upscaler Product and Services
  - 9.17.4 A Sharper Scaling AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
  - 9.17.5 A Sharper Scaling Recent Developments/Updates
  - 9.17.6 A Sharper Scaling Competitive Strengths & Weaknesses
- 9.18 Nero AI Image Upscaler

- 9.18.1 Nero AI Image Upscaler Details
- 9.18.2 Nero AI Image Upscaler Major Business
- 9.18.3 Nero AI Image Upscaler AI Image Upscaler Product and Services
- 9.18.4 Nero AI Image Upscaler AI Image Upscaler Revenue, Gross Margin and Market Share (2021-2026)
- 9.18.5 Nero AI Image Upscaler Recent Developments/Updates
- 9.18.6 Nero AI Image Upscaler Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 AI Image Upscaler Industry Chain
- 10.2 AI Image Upscaler Upstream Analysis
- 10.3 AI Image Upscaler Midstream Analysis
- 10.4 AI Image Upscaler Downstream Analysis

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. World Cryogenic Grinding Equipment Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Cryogenic Grinding Equipment Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Cryogenic Grinding Equipment Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Cryogenic Grinding Equipment Production Value Market Share by Region (2021-2026)
- Table 5. World Cryogenic Grinding Equipment Production Value Market Share by Region (2027-2032)
- Table 6. World Cryogenic Grinding Equipment Production by Region (2021-2026) & (K Units)
- Table 7. World Cryogenic Grinding Equipment Production by Region (2027-2032) & (K Units)
- Table 8. World Cryogenic Grinding Equipment Production Market Share by Region (2021-2026)
- Table 9. World Cryogenic Grinding Equipment Production Market Share by Region (2027-2032)
- Table 10. World Cryogenic Grinding Equipment Average Price by Region (2021-2026) & (K US\$/Unit)
- Table 11. World Cryogenic Grinding Equipment Average Price by Region (2027-2032) & (K US\$/Unit)
- Table 12. Cryogenic Grinding Equipment Major Market Trends
- Table 13. World Cryogenic Grinding Equipment Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)
- Table 14. World Cryogenic Grinding Equipment Consumption by Region (2021-2026) & (K Units)
- Table 15. World Cryogenic Grinding Equipment Consumption Forecast by Region (2027-2032) & (K Units)
- Table 16. World Cryogenic Grinding Equipment Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Cryogenic Grinding Equipment Producers in 2025
- Table 18. World Cryogenic Grinding Equipment Production by Manufacturer (2021-2026) & (K Units)

- Table 19. Production Market Share of Key Cryogenic Grinding Equipment Producers in 2025
- Table 20. World Cryogenic Grinding Equipment Average Price by Manufacturer (2021-2026) & (K US\$/Unit)
- Table 21. Global Cryogenic Grinding Equipment Company Evaluation Quadrant
- Table 22. World Cryogenic Grinding Equipment Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Cryogenic Grinding Equipment Production Site of Key Manufacturer
- Table 24. Cryogenic Grinding Equipment Market: Company Product Type Footprint
- Table 25. Cryogenic Grinding Equipment Market: Company Product Application Footprint
- Table 26. Cryogenic Grinding Equipment Competitive Factors
- Table 27. Cryogenic Grinding Equipment New Entrant and Capacity Expansion Plans
- Table 28. Cryogenic Grinding Equipment Mergers & Acquisitions Activity
- Table 29. United States VS China Cryogenic Grinding Equipment Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 30. United States VS China Cryogenic Grinding Equipment Production Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 31. United States VS China Cryogenic Grinding Equipment Consumption Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 32. United States Based Cryogenic Grinding Equipment Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Cryogenic Grinding Equipment Production Value, (2021-2026) & (USD Million)
- Table 34. United States Based Manufacturers Cryogenic Grinding Equipment Production Value Market Share (2021-2026)
- Table 35. United States Based Manufacturers Cryogenic Grinding Equipment Production (2021-2026) & (K Units)
- Table 36. United States Based Manufacturers Cryogenic Grinding Equipment Production Market Share (2021-2026)
- Table 37. China Based Cryogenic Grinding Equipment Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Cryogenic Grinding Equipment Production Value, (2021-2026) & (USD Million)
- Table 39. China Based Manufacturers Cryogenic Grinding Equipment Production Value Market Share (2021-2026)
- Table 40. China Based Manufacturers Cryogenic Grinding Equipment Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Cryogenic Grinding Equipment Production Market Share (2021-2026)

Table 42. Rest of World Based Cryogenic Grinding Equipment Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Cryogenic Grinding Equipment Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Cryogenic Grinding Equipment Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Cryogenic Grinding Equipment Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Cryogenic Grinding Equipment Production Market Share (2021-2026)

Table 47. World Cryogenic Grinding Equipment Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Cryogenic Grinding Equipment Production by Type (2021-2026) & (K Units)

Table 49. World Cryogenic Grinding Equipment Production by Type (2027-2032) & (K Units)

Table 50. World Cryogenic Grinding Equipment Production Value by Type (2021-2026) & (USD Million)

Table 51. World Cryogenic Grinding Equipment Production Value by Type (2027-2032) & (USD Million)

Table 52. World Cryogenic Grinding Equipment Average Price by Type (2021-2026) & (K US\$/Unit)

Table 53. World Cryogenic Grinding Equipment Average Price by Type (2027-2032) & (K US\$/Unit)

Table 54. World Cryogenic Grinding Equipment Production Value by Grinding Mechanism, (USD Million), 2021 & 2025 & 2032

Table 55. World Cryogenic Grinding Equipment Production by Grinding Mechanism (2021-2026) & (K Units)

Table 56. World Cryogenic Grinding Equipment Production by Grinding Mechanism (2027-2032) & (K Units)

Table 57. World Cryogenic Grinding Equipment Production Value by Grinding Mechanism (2021-2026) & (USD Million)

Table 58. World Cryogenic Grinding Equipment Production Value by Grinding Mechanism (2027-2032) & (USD Million)

Table 59. World Cryogenic Grinding Equipment Average Price by Grinding Mechanism (2021-2026) & (K US\$/Unit)

Table 60. World Cryogenic Grinding Equipment Average Price by Grinding Mechanism

(2027-2032) & (K US\$/Unit)

Table 61. World Cryogenic Grinding Equipment Production Value by Cooling Medium, (USD Million), 2021 & 2025 & 2032

Table 62. World Cryogenic Grinding Equipment Production by Cooling Medium (2021-2026) & (K Units)

Table 63. World Cryogenic Grinding Equipment Production by Cooling Medium (2027-2032) & (K Units)

Table 64. World Cryogenic Grinding Equipment Production Value by Cooling Medium (2021-2026) & (USD Million)

Table 65. World Cryogenic Grinding Equipment Production Value by Cooling Medium (2027-2032) & (USD Million)

Table 66. World Cryogenic Grinding Equipment Average Price by Cooling Medium (2021-2026) & (K US\$/Unit)

Table 67. World Cryogenic Grinding Equipment Average Price by Cooling Medium (2027-2032) & (K US\$/Unit)

Table 68. World Cryogenic Grinding Equipment Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Cryogenic Grinding Equipment Production by Application (2021-2026) & (K Units)

Table 70. World Cryogenic Grinding Equipment Production by Application (2027-2032) & (K Units)

Table 71. World Cryogenic Grinding Equipment Production Value by Application (2021-2026) & (USD Million)

Table 72. World Cryogenic Grinding Equipment Production Value by Application (2027-2032) & (USD Million)

Table 73. World Cryogenic Grinding Equipment Average Price by Application (2021-2026) & (K US\$/Unit)

Table 74. World Cryogenic Grinding Equipment Average Price by Application (2027-2032) & (K US\$/Unit)

Table 75. YENCHEN MACHINERY CO., LTD Basic Information, Manufacturing Base and Competitors

Table 76. YENCHEN MACHINERY CO., LTD Major Business

Table 77. YENCHEN MACHINERY CO., LTD Cryogenic Grinding Equipment Product and Services

Table 78. YENCHEN MACHINERY CO., LTD Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. YENCHEN MACHINERY CO., LTD Recent Developments/Updates

Table 80. YENCHEN MACHINERY CO., LTD Competitive Strengths & Weaknesses

- Table 81. MechAir Basic Information, Manufacturing Base and Competitors
- Table 82. MechAir Major Business
- Table 83. MechAir Cryogenic Grinding Equipment Product and Services
- Table 84. MechAir Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. MechAir Recent Developments/Updates
- Table 86. MechAir Competitive Strengths & Weaknesses
- Table 87. Jiangyin Baoli Machinery Manufacturing Co., Ltd Basic Information, Manufacturing Base and Competitors
- Table 88. Jiangyin Baoli Machinery Manufacturing Co., Ltd Major Business
- Table 89. Jiangyin Baoli Machinery Manufacturing Co., Ltd Cryogenic Grinding Equipment Product and Services
- Table 90. Jiangyin Baoli Machinery Manufacturing Co., Ltd Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Jiangyin Baoli Machinery Manufacturing Co., Ltd Recent Developments/Updates
- Table 92. Jiangyin Baoli Machinery Manufacturing Co., Ltd Competitive Strengths & Weaknesses
- Table 93. Sifter International Basic Information, Manufacturing Base and Competitors
- Table 94. Sifter International Major Business
- Table 95. Sifter International Cryogenic Grinding Equipment Product and Services
- Table 96. Sifter International Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Sifter International Recent Developments/Updates
- Table 98. Sifter International Competitive Strengths & Weaknesses
- Table 99. Hosokawa Micron Group Basic Information, Manufacturing Base and Competitors
- Table 100. Hosokawa Micron Group Major Business
- Table 101. Hosokawa Micron Group Cryogenic Grinding Equipment Product and Services
- Table 102. Hosokawa Micron Group Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Hosokawa Micron Group Recent Developments/Updates
- Table 104. Hosokawa Micron Group Competitive Strengths & Weaknesses
- Table 105. Air Products Basic Information, Manufacturing Base and Competitors

Table 106. Air Products Major Business

Table 107. Air Products Cryogenic Grinding Equipment Product and Services

Table 108. Air Products Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Air Products Recent Developments/Updates

Table 110. Air Products Competitive Strengths & Weaknesses

Table 111. Fritsch Basic Information, Manufacturing Base and Competitors

Table 112. Fritsch Major Business

Table 113. Fritsch Cryogenic Grinding Equipment Product and Services

Table 114. Fritsch Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Fritsch Recent Developments/Updates

Table 116. Fritsch Competitive Strengths & Weaknesses

Table 117. Retsch GmbH Basic Information, Manufacturing Base and Competitors

Table 118. Retsch GmbH Major Business

Table 119. Retsch GmbH Cryogenic Grinding Equipment Product and Services

Table 120. Retsch GmbH Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Retsch GmbH Recent Developments/Updates

Table 122. Retsch GmbH Competitive Strengths & Weaknesses

Table 123. PALLMANN Basic Information, Manufacturing Base and Competitors

Table 124. PALLMANN Major Business

Table 125. PALLMANN Cryogenic Grinding Equipment Product and Services

Table 126. PALLMANN Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. PALLMANN Recent Developments/Updates

Table 128. PALLMANN Competitive Strengths & Weaknesses

Table 129. Pulva Corporation Basic Information, Manufacturing Base and Competitors

Table 130. Pulva Corporation Major Business

Table 131. Pulva Corporation Cryogenic Grinding Equipment Product and Services

Table 132. Pulva Corporation Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Pulva Corporation Recent Developments/Updates

Table 134. Pulva Corporation Competitive Strengths & Weaknesses

Table 135. Powder Bank Japan Basic Information, Manufacturing Base and Competitors

Table 136. Powder Bank Japan Major Business

Table 137. Powder Bank Japan Cryogenic Grinding Equipment Product and Services

Table 138. Powder Bank Japan Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Powder Bank Japan Recent Developments/Updates

Table 140. Powder Bank Japan Competitive Strengths & Weaknesses

Table 141. SPEX SamplePrep, LLC Basic Information, Manufacturing Base and Competitors

Table 142. SPEX SamplePrep, LLC Major Business

Table 143. SPEX SamplePrep, LLC Cryogenic Grinding Equipment Product and Services

Table 144. SPEX SamplePrep, LLC Cryogenic Grinding Equipment Production (K Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. SPEX SamplePrep, LLC Recent Developments/Updates

Table 146. SPEX SamplePrep, LLC Competitive Strengths & Weaknesses

Table 147. Global Key Players of Cryogenic Grinding Equipment Upstream (Raw Materials)

Table 148. Global Cryogenic Grinding Equipment Typical Customers

Table 149. Cryogenic Grinding Equipment Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Cryogenic Grinding Equipment Picture

Figure 2. World Cryogenic Grinding Equipment Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Cryogenic Grinding Equipment Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Cryogenic Grinding Equipment Production (2021-2032) & (K Units)

Figure 5. World Cryogenic Grinding Equipment Average Price (2021-2032) & (K US\$/Unit)

Figure 6. World Cryogenic Grinding Equipment Production Value Market Share by Region (2021-2032)

Figure 7. World Cryogenic Grinding Equipment Production Market Share by Region (2021-2032)

Figure 8. North America Cryogenic Grinding Equipment Production (2021-2032) & (K Units)

Figure 9. Europe Cryogenic Grinding Equipment Production (2021-2032) & (K Units)

Figure 10. China Cryogenic Grinding Equipment Production (2021-2032) & (K Units)

Figure 11. Japan Cryogenic Grinding Equipment Production (2021-2032) & (K Units)

Figure 12. Cryogenic Grinding Equipment Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 15. World Cryogenic Grinding Equipment Consumption Market Share by Region (2021-2032)

Figure 16. United States Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 17. China Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 18. Europe Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 19. Japan Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 20. South Korea Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 22. India Cryogenic Grinding Equipment Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Cryogenic Grinding Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Cryogenic Grinding

## Equipment Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Cryogenic Grinding

## Equipment Markets in 2025

Figure 26. United States VS China: Cryogenic Grinding Equipment Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Cryogenic Grinding Equipment Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Cryogenic Grinding Equipment Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Cryogenic Grinding Equipment Production Market Share 2025

Figure 30. China Based Manufacturers Cryogenic Grinding Equipment Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Cryogenic Grinding Equipment Production Market Share 2025

Figure 32. World Cryogenic Grinding Equipment Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Cryogenic Grinding Equipment Production Value Market Share by Type in 2025

Figure 34. Vertical

Figure 35. Desktop

Figure 36. World Cryogenic Grinding Equipment Production Market Share by Type (2021-2032)

Figure 37. World Cryogenic Grinding Equipment Production Value Market Share by Type (2021-2032)

Figure 38. World Cryogenic Grinding Equipment Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 39. World Cryogenic Grinding Equipment Production Value by Grinding Mechanism, (USD Million), 2021 & 2025 & 2032

Figure 40. World Cryogenic Grinding Equipment Production Value Market Share by Grinding Mechanism in 2025

Figure 41. Cryogenic Impact Mill

Figure 42. Cryogenic Attrition Mill

Figure 43. Cryogenic Pin Mill

Figure 44. Cryogenic Hammer Mill

Figure 45. World Cryogenic Grinding Equipment Production Market Share by Grinding Mechanism (2021-2032)

Figure 46. World Cryogenic Grinding Equipment Production Value Market Share by Grinding Mechanism (2021-2032)

Figure 47. World Cryogenic Grinding Equipment Average Price by Grinding Mechanism (2021-2032) & (K US\$/Unit)

Figure 48. World Cryogenic Grinding Equipment Production Value by Cooling Medium, (USD Million), 2021 & 2025 & 2032

Figure 49. World Cryogenic Grinding Equipment Production Value Market Share by Cooling Medium in 2025

Figure 50. Liquid Nitrogen Cryogenic Grinding System

Figure 51. Liquid Carbon Dioxide Cryogenic Grinding System

Figure 52. World Cryogenic Grinding Equipment Production Market Share by Cooling Medium (2021-2032)

Figure 53. World Cryogenic Grinding Equipment Production Value Market Share by Cooling Medium (2021-2032)

Figure 54. World Cryogenic Grinding Equipment Average Price by Cooling Medium (2021-2032) & (K US\$/Unit)

Figure 55. World Cryogenic Grinding Equipment Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Cryogenic Grinding Equipment Production Value Market Share by Application in 2025

Figure 57. Food and Pharmaceutical

Figure 58. Spices

Figure 59. Others

Figure 60. World Cryogenic Grinding Equipment Production Market Share by Application (2021-2032)

Figure 61. World Cryogenic Grinding Equipment Production Value Market Share by Application (2021-2032)

Figure 62. World Cryogenic Grinding Equipment Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 63. Cryogenic Grinding Equipment Industry Chain

Figure 64. Cryogenic Grinding Equipment Procurement Model

Figure 65. Cryogenic Grinding Equipment Sales Model

Figure 66. Cryogenic Grinding Equipment Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

## I would like to order

Product name: Global Cryogenic Grinding Equipment Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G6CD18B7C163EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6CD18B7C163EN.html>