

# Vacuum Ovens Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview 2023-2028:

The global vacuum ovens market size reached US\$ 234.3 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 343.2 Million by 2028, exhibiting a growth rate (CAGR) of 6.38% during 2023-2028.

A vacuum oven is an extremely versatile equipment that has applications in laboratory research, engineering, and industry. In vacuum ovens, the process of heat treatment takes place inside an airtight vessel. This enables a vacuum to be drawn inside the vessel. The entire heat-treating procedure can be initiated under vacuum or precisely controlled environments can be introduced. Heat treating under vacuum can provide numerous advantages such as:

It can prevent surface reactions like oxidation or decarburization

It can remove surface contaminants like oxide films and residual traces of lubricants

It can add a substance to the surface layers of the work

It can remove dissolved contaminating materials from metals by degassing

The rise of the vacuum oven market largely relies on the legalised use of cannabis in considerable parts of the world and the commercialisation that materializes with it. For the legalised cannabis growers, vacuum ovens help them to process cannabis extract BHOs (Butane Hash oil). Through these vacuums, the growers get purified oil extract, along with a reduced risk of fire while performing the entire process. The vacuum ovens are also used in the medical industry to remove chemicals that are possibly toxic to the human body. This process is essentially compelling for embedded medical devices like artificial heart valves, pacemakers and even joints. In addition to this, these ovens are

also used in order to comprehend how a device will react to the high vacuum environment of space, which makes them a viable equipment for the aerospace industry.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global vacuum ovens market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type and application.

#### Breakup by Product Type:

300

Based on the product type, the market has been segmented into 300.

#### Breakup by Application:

Home Appliances

Commercial Appliances

Based on the application, the market has been segmented into home appliances and commercial appliances.

#### Regional Insights:

North America

Europe

Asia Pacific

Middle East and Africa

Latin America

Region-wise, the market has been segmented into North America, Europe, Asia Pacific, Middle East and Africa, and Latin America.

#### Competitive Landscape:

The competitive landscape of the market has also been examined with some of the key players being Cole-Parmer, Memmert GmbH+Co.KG, MTI Corporation, Sheldon Manufacturing Inc, Thermo Fisher Scientific, Accumax India, BINDER GmbH, Cascade

TEK, ESPEC, Grieve, JEIO, SalvisLab Renggli, Shanghai Hasuc Instrument, Ted Pella and Yamato Scientific.

This report provides a deep insight into the global vacuum ovens market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the vacuum ovens industry in any manner.

#### Key Questions Answered in This Report:

How has the global vacuum ovens market performed so far and how will it perform in the coming years?

What are the key regional markets in the global vacuum ovens industry?

What has been the impact of COVID-19 on the global vacuum ovens industry?

What is the breakup of the global vacuum ovens market on the basis of product type?

What is the breakup of the global vacuum ovens market on the basis of application?

What are the price trends of vacuum ovens?

What are the various stages in the value chain of the global vacuum ovens market?

What are the key driving factors and challenges in the global vacuum ovens market?

What is the structure of the global vacuum ovens market and who are the key players?

What is the degree of competition in the global vacuum ovens market?

How are vacuum ovens manufactured?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL VACUUM OVENS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Region
- 5.7 Market Forecast
- 5.8 SWOT Analysis
  - 5.8.1 Overview
  - 5.8.2 Strengths
  - 5.8.3 Weaknesses
  - 5.8.4 Opportunities
  - 5.8.5 Threats
- 5.9 Value Chain Analysis

- 5.9.1 Overview
- 5.9.2 Raw Material Procurement
- 5.9.3 Manufacturing
- 5.9.4 Marketing
- 5.9.5 Distribution
- 5.9.6 End-Use
- 5.10 Porters Five Forces Analysis
  - 5.10.1 Overview
  - 5.10.2 Bargaining Power of Buyers
  - 5.10.3 Bargaining Power of Suppliers
  - 5.10.4 Degree of Competition
  - 5.10.5 Threat of New Entrants
  - 5.10.6 Threat of Substitutes
- 5.11 Price Analysis

## **6 MARKET BREAKUP BY PRODUCT TYPE**

- 6.1 300
  - 6.3.1 Market Trends
  - 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Home Appliances
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Commercial Appliances
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

- 8.1 North America
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Europe
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Asia Pacific

- 8.3.1 Market Trends
- 8.3.2 Market Forecast
- 8.4 Middle East and Africa
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Latin America
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast

## **9 VACUUM OVENS MANUFACTURING PROCESS**

- 9.1 Product Overview
- 9.2 Raw Material Requirements
- 9.3 Manufacturing Process
- 9.4 Key Success and Risk Factors

## **10 COMPETITIVE LANDSCAPE**

- 10.1 Market Structure
- 10.2 Key Players
- 10.3 Profiles of Key Players
  - 10.3.1 Cole-Parmer
  - 10.3.2 Memmert GmbH+Co.KG
  - 10.3.3 MTI Corporation
  - 10.3.4 Sheldon Manufacturing Inc
  - 10.3.5 Thermo Fisher Scientific
  - 10.3.6 Accumax India
  - 10.3.7 BINDER GmbH
  - 10.3.8 Cascade TEK
  - 10.3.9 ESPEC
  - 10.3.10 Grieve
  - 10.3.11 JEIO
  - 10.3.12 SalvisLab Renggli
  - 10.3.13 Shanghai Hasuc Instrument
  - 10.3.14 Ted Pella
  - 10.3.15 Yamato Scientific

## List Of Tables

### LIST OF TABLES

Table 1: Global: Vacuum Ovens Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Vacuum Ovens Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Vacuum Ovens Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Vacuum Ovens Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Vacuum Ovens Manufacturing: Raw Material Requirements

Table 6: Global: Vacuum Ovens Market: Competitive Structure

Table 7: Global: Vacuum Ovens Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Vacuum Ovens Market: Major Drivers and Challenges

Figure 2: Global: Vacuum Ovens Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Vacuum Ovens Market: Breakup by Product Type (in %), 2022

Figure 4: Global: Vacuum Ovens Market: Breakup by Application (in %), 2022

Figure 5: Global: Vacuum Ovens Market: Breakup by Region (in %), 2022

Figure 6: Global: Vacuum Ovens Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 7: Global: Vacuum Ovens Industry: SWOT Analysis

Figure 8: Global: Vacuum Ovens Industry: Value Chain Analysis

Figure 9: Global: Vacuum Ovens Industry: Porter's Five Forces Analysis

Figure 10: Vacuum Ovens Market: Price Structure (in %)

Figure 11: Global: Vacuum Ovens (300) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Vacuum Ovens (Home Appliances) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Vacuum Ovens (Home Appliances) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Vacuum Ovens (Commercial Appliances) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Vacuum Ovens (Commercial Appliances) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: North America: Vacuum Ovens Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: North America: Vacuum Ovens Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Europe: Vacuum Ovens Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Europe: Vacuum Ovens Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Asia Pacific: Vacuum Ovens Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Asia Pacific: Vacuum Ovens Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Middle East and Africa: Vacuum Ovens Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Middle East and Africa: Vacuum Ovens Market Forecast: Sales Value (in



Million US\$), 2023-2028

Figure 29: Latin America: Vacuum Ovens Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Latin America: Vacuum Ovens Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Vacuum Ovens Manufacturing: Detailed Process Flow

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