

Industrial Ozone Generator Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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Abstracts

The Global Industrial Ozone Generator Market, valued at USD 148.4 million in 2024, is expected to expand at a CAGR of 7% from 2025 to 2034. These advanced ozone systems are designed to generate ozone gas for large-scale applications, including water treatment, air purification, and odor control. Utilizing cutting-edge technologies such as corona discharge and UV radiation, these generators efficiently produce high concentrations of ozone, ensuring effective disinfection, pollutant removal, and environmental compliance across various industries.

As industrial demand for water rises, especially in regions facing water scarcity, the adoption of ozone generators for water reuse and recycling is set to increase. These systems offer a sustainable, eco-friendly solution for managing water resources, making them indispensable for industries that rely heavily on water. Furthermore, ongoing advancements in ozone generation technology, including the development of energy-efficient corona discharge systems, will enhance control, reliability, and affordability—further fueling market growth.

The food and beverage industry is poised to be a major driver of the ozone generator market, with an expected market value of USD 77 million by 2034. As the demand for non-chemical disinfection solutions to eliminate bacteria, molds, viruses, and other pathogens grows, ozone generators will become increasingly sought-after. The heightened focus on strict hygiene and food safety regulations will also boost their adoption in food production environments to meet compliance standards and ensure safe, clean products.

The air treatment segment is anticipated to experience significant growth, with a

projected CAGR of 8.5% through 2034. Ozone generators that effectively purify air by neutralizing pollutants such as volatile organic compounds (VOCs), mold spores, odors, and bacteria will see rising demand. Stricter air quality regulations and growing concerns about pollution-related health risks, driven by government and environmental agencies, will further fuel the need for ozone generators in air purification.

In the U.S., the industrial ozone generator market is projected to reach USD 42 million by 2034. As industries face increased pressure to meet stringent air and water quality regulations, the demand for ozone generators will continue to rise. Key sectors, including food processing, pharmaceuticals, and chemical manufacturing, will contribute to market expansion, particularly as these industries seek modern disinfection and sterilization solutions. Moreover, tightening food safety regulations will further drive the adoption of ozone generators in food processing plants, ensuring microbial control and contaminant reduction.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market Definitions

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 – 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Strategic dashboard
- 4.3 Innovation & technology landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 – 2034 (USD MILLION & UNITS)

- 5.1 Key trends
- 5.2 Ultraviolet
- 5.3 Cold plasma
- 5.4 Corona discharge
- 5.5 Electrolytic

CHAPTER 6 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (USD MILLION & UNITS)

- 6.1 Key trends
- 6.2 Water treatment
- 6.3 Laboratory & medical equipment
- 6.4 Air treatment
- 6.5 Others

CHAPTER 7 MARKET SIZE AND FORECAST, BY CAPACITY, 2021 – 2034 (USD MILLION & UNITS)

- 7.1 Key trends
- 7.2 ? 5 gm/hr
- 7.3 5 gm/hr - 100 gm/hr
- 7.4 100 gm/hr - 1 kg/hr
- 7.5 1 kg/hr - 5 kg/hr
- 7.6 > 5 kg/hr

CHAPTER 8 MARKET SIZE AND FORECAST, BY END USE, 2021 – 2034 (USD MILLION & UNITS)

- 8.1 Key trends
- 8.2 Automotive
- 8.3 Food & beverages
- 8.4 Textile
- 8.5 Pharmaceutical
- 8.6 Others

CHAPTER 9 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (USD MILLION & UNITS)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 France
 - 9.3.4 Russia
 - 9.3.5 Italy
 - 9.3.6 Spain
- 9.4 Asia Pacific
 - 9.4.1 China
 - 9.4.2 Australia
 - 9.4.3 India
 - 9.4.4 Japan
 - 9.4.5 South Korea
- 9.5 Middle East & Africa
 - 9.5.1 Saudi Arabia
 - 9.5.2 UAE
 - 9.5.3 Egypt
 - 9.5.4 Turkey
 - 9.5.5 South Africa
- 9.6 Latin America
 - 9.6.1 Brazil
 - 9.6.2 Argentina

CHAPTER 10 COMPANY PROFILES

- 10.1 DEL Ozone
- 10.2 Faraday Ozone
- 10.3 Lenntech Water Treatment
- 10.4 Mitsubishi Electric Corporation
- 10.5 Oxidation Technologies
- 10.6 ORAIPL
- 10.7 Primozone Production
- 10.8 Pacific Ozone Technology
- 10.9 Toshiba
- 10.10 Xylem

10.11 ZonoSistem

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