

# Global Thermal Oxidation Furnace Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Thermal Oxidation Furnace market size was valued at US\$ 7666 million in 2024 and is forecast to a readjusted size of USD 11430 million by 2031 with a CAGR of 5.9% during review period.

A thermal oxidation furnace is a device used in semiconductor manufacturing that is primarily used to generate silica layers on the surface of silicon wafers at high temperatures. This process is crucial in semiconductor manufacturing and is widely used in the preparation of insulating, protective and MOSFET gate oxide layers.

This report is a detailed and comprehensive analysis for global Thermal Oxidation Furnace 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.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

### Key Features:

Global Thermal Oxidation Furnace market size and forecasts, in consumption value (\$

Million), sales quantity (Units), and average selling prices (US\$/Unit),  
2020-2031

Global Thermal Oxidation Furnace market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Thermal Oxidation Furnace market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Thermal Oxidation Furnace market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### **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 Thermal Oxidation Furnace
- 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 Thermal Oxidation Furnace 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 TEL, JTEKT Thermo Systems, ASM, ULVAC, centrotherm, NAURA, Carbolite Gero, etc.

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

### **Market Segmentation**

Thermal Oxidation Furnace market is split by Type and by Application. For the period 2020-2031, 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

Tube High-Temperature Oxidizer

Box-Type High-Temperature Oxidizer

Vertical High-Temperature Oxidizer

#### Market segment by Application

Semiconductor Manufacturing

Pharmaceuticals Industry

Aerospace

Materials Processing

New Energy

Others

#### Major players covered

TEL

JTEKT Thermo Systems

ASM

ULVAC

centrotherm

NAURA

Carbolite Gero

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 Thermal Oxidation Furnace product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thermal Oxidation Furnace, with price, sales quantity, revenue, and global market share of Thermal Oxidation Furnace from 2020 to 2025.

Chapter 3, the Thermal Oxidation Furnace competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thermal Oxidation Furnace breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Thermal Oxidation Furnace market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Thermal Oxidation Furnace.

Chapter 14 and 15, to describe Thermal Oxidation Furnace sales channel, distributors, customers, research findings and conclusion.

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