

**48<sup>+</sup> Years**  
*Of experience*

# MUFFLE FURNACE



In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

# ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions

# WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

## MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

## VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.

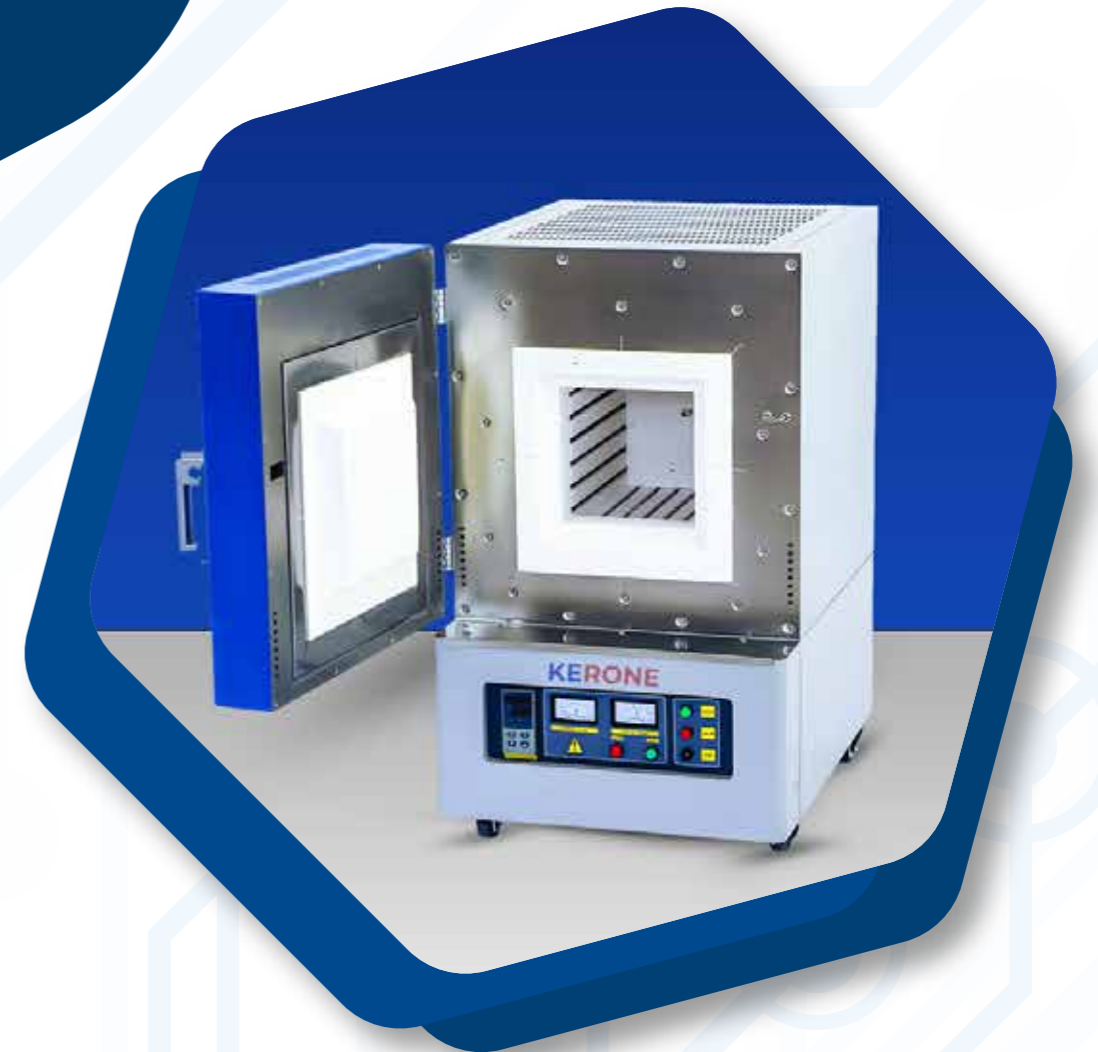


Enhance the value of customer operation through our customer need centric engineering solution.



# TRUSTED PARTNERS





## Muffle Furnace

A muffle furnace is a furnace that is made for processes that need greater temperatures. The ability to use this equipment versatilely provides utility and makes it adaptable to a range of operations. The muffle furnace has been demonstrated to be very efficient with low energy consumption thanks to its superb thermal insulation technology. A muffle furnace is a piece of equipment that is used in numerous industries for heat treatment. Numerous uses exist for the muffle furnace, also known as a chamber oven or box oven, including heat treatment and calcination in laboratories.

A laboratory's most crucial piece of equipment for conducting any kind of heat treatment experiment is a muffle furnace, also known as a muffle oven. Muffle furnaces, which resemble greenhouses in many ways, are mostly found in chemistry labs where extremely high temperatures are required for the calcination of materials. Refractory material coats a metallic chamber, which is the muffle furnace's main component.

In addition, it is important to note that Kerone currently offers a number of muffle furnace models that enable temperature variations between 900 °C and 1800 °C. The temperature ranges that the Kerone offers for its muffle furnaces include 900 °C, 1100 °C, 1200 °C, 1450 °C, 1700 °C, and 1800 °C. These furnaces are of the highest quality and temperature. A large range of chamber sizes can be provided to accommodate every application.

## Features

- High Temperature Capability
- Over-temperature limiter
- Maintain precise values
- PID controller cum indicator
- Provides consistent and accurate heating
- Solid-state relays provide low noise protection
- Door options available: Flap door/Lift door/Front opening door

## Advantages

- Supports processes requiring up to 1800 °C.
- Adaptable for various applications, including heat treatment and calcination.
- Available in different chamber sizes to fit specific needs
- Ensures consistent and accurate temperature control
- Low energy consumption due to superior thermal insulation.

## Application

- Glass and Ceramics Firing
- Material Testing
- Calcination
- Heat Treatment
- Thermal Analysis
- Chemical Decomposition
- Ash Content Determination

## Technical specifications

Max. temperature	1450°C
Continuous operating temp.	1400°C
Heating element	Silicon carbide
Furnace Thermocouple	B TYPE
Chamber MOC	Zirconia Fiber Board
Insulation	1400 ZTL board
Temperature controller	PID controlled with SILICON Controlled Rectifier
Power supply	220/440 volts, 50 Hz
Accessories	The brass rod holding Clamps, Asbestos Gloves, SS tong

**customization as per user requirement**

# OUR CLIENTS









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