



48⁺ Years
Of experience

MICROWAVE CHAMBER 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





Microwave Chamber Furnace

A microwave chamber furnace, utilized prominently in nanotechnology, materials science, and semiconductor processing research, employs microwave radiation to heat materials within a controlled environment or vacuum. Positioned within a sealed chamber, a sample holding or crucible sits at the center, receiving microwave radiation via a waveguide, thereby generating an electromagnetic field to uniformly and rapidly heat the material.

This capability ensures efficient and reliable processing, particularly for materials vulnerable to oxidation or atmospheric effects, as heating occurs in a vacuum or controlled atmosphere. Kerone, in partnership with Fricke and Mallah GMBH, pioneers the research, development, and sales of Microwave Chamber Furnace applications, leveraging 48+ years of industry expertise to deliver tailored solutions for diverse industrial needs, alongside a range of other microwave heating systems.

Features

- Microwave chamber furnaces are known for their rapid heating rates, with the ability to heat samples at rates of several hundred degrees per minute.
- A microwave chamber furnace typically has precise temperature control capabilities, with the ability to control the temperature up to several thousand degrees Celsius.

- Control and monitoring
- The sample size and capacity of a microwave chamber furnace can vary widely depending on the specific model, ranging from a few grams to several kilograms.
- The furnace may also have the ability to control the gas flow and pressure within the chamber, which is important for maintaining a specific atmosphere or vacuum during the heating process.

Advantages

- Rapid Heating
- Energy Efficiency
- Precise Temperature Control
- Uniform Heating
- Reduced Oxidation
- Cleaner Operation
- Improved Product Quality
- Process Automation

Application

- Sintering of ceramics and metal powders
- Processing of electronic and semiconductor materials
- Heat treatment of metals and alloys
- Processing of biomaterials, such as sterilization and tissue engineering
- Synthesis of advanced materials, such as composites and nanomaterials

OUR CLIENTS









THANK YOU

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