



48⁺ Years
Of experience

MICROWAVE PLASMA TECHNOLOGY



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 Plasma Technology

Microwave plasma technology harnesses microwave energy to create and control plasma, the fourth state of matter, by ionizing gases at high temperatures. Unlike conventional methods like radio frequency or direct electrical discharge, microwave plasma technology offers advantages in scalability, homogeneity, and energy efficiency. It finds applications in chemical synthesis, surface treatment, materials research, and environmental cleanup, promising advancements in various industries.

The technology operates through a microwave generator, waveguide, and plasma chamber, where high-power microwaves ionize gas molecules to form plasma. Notably, its deep plasma penetration allows homogeneous heating and effective energy transmission, facilitating processes like surface treatment and material processing. Moreover, its ability to operate at atmospheric pressure eliminates the need for vacuum chambers, enhancing adaptability and control over plasma chemistry in diverse industrial processes, from environmental remediation to semiconductor fabrication and nanotechnology applications.

Features

- Utilizes microwave energy to create and control plasma, the fourth state of matter.
- Atmospheric Pressure Operation

- Reduced Contamination
- Precise Control
- Provides better control over plasma chemistry and reaction kinetics.
- Operates through a microwave generator, waveguide, and plasma chamber.
- Offers advantages in scalability, homogeneity, and energy efficiency compared to conventional methods.

Advantages

- Efficient plasma generation and control using microwave energy.
- Better control over plasma chemistry and reaction kinetics.
- Used in various industries including environmental remediation, waste management, semiconductor fabrication, and nanotechnology.
- Deep plasma penetration enables homogeneous heating and effective energy transmission.

Application

- Material Processing and Surface Modification
- Food Processing
- Thin Film Deposition
- Semiconductor Manufacturing
- Biomedical Applications
- Medical Applications
- Plasma-Assisted Combustion
- Waste Treatment and Environmental Remediation

OUR CLIENTS









THANK YOU

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