



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

# MICROWAVE STERILIZATION



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 Sterilization

Microwave sterilization is a rapid and efficient method of eliminating microorganisms and pathogens from various surfaces and objects, commonly utilized in the food industry to extend shelf life. By subjecting items to specific frequencies of electromagnetic waves inside a microwave chamber, this technique quickly heats water molecules, effectively killing bacteria, viruses, and molds. This innovative approach, such as in the sterilization of packed flour, enhances consumer safety and convenience by targeting harmful microbes while preserving nutritional integrity.

Offering benefits like shorter processing times, minimal environmental impact, and suitability for heat-sensitive items, microwave sterilization, typically operating at 2450 MHz, stands out compared to traditional methods. Customizable systems, like those from Kerone, ensure tailored solutions with automated controls and real-time monitoring for optimal safety and efficiency, making it an effective option for diverse applications with proper attention to individual needs and safety protocols.

### Features

- Rapid and efficient elimination of microorganisms and pathogens.
- Utilizes specific frequencies of electromagnetic waves for targeted sterilization.
- Offers shorter processing times compared to traditional methods.
- Preserves nutritional integrity and extends shelf life of food products.
- Suitable for heat-sensitive materials that may be harmed by steam or moisture.
- Minimal environmental impact due to dry process.
- Customizable systems available with automated controls and real-time monitoring for optimal safety and efficiency.

### Advantages

- Fast processing
- Fast Drying
- Versatility
- Require less energy for heating
- Energy Efficiency
- Reduced chemical
- Efficient in killing microorganisms and pathogens
- Customizable systems available to meet specific sterilization needs.
- Dry process avoids potential damage to materials sensitive to moisture.

## Application

- Food industry
- Medical industry
- Laboratory research
- Water treatment
- Agricultural industry
- Pharmaceutical industry
- Cosmetics industry

## Technical specifications

Microwave Frequency 2450±50Mhz

Power 20-200Kw

Size (10-42)m\*1.1m\*1.7m

Transmission Speed 0-5m/Minute

Input Voltage Three-Phaseac 380V

Weight 1.3-18Tons

Microwave leakage limit ≤1mW/cm<sup>2</sup>

Working Time 24hours

Model	Power(Kw)	Dehydration Capacity(Kg/h)	Sterilization Capacity(Kg/h)	Over Size(m)
KESL-20	20	20	190-240	9*0.9*2.2
KESL-40	40	40	390-500	10*1.0*2.2
KESL-60	60	60	600-750	12*1.0*2.2
KESL-100	100	100	800-1000	15*1.2*2.2
KESL-150	150	150	1500-1850	21*1.2*2.2
KESL-200	200	200	2000-2500	25*1.2*2.2

# OUR CLIENTS









# THANK YOU

## UNIT 1

4 & 5, Marudhar Industrial Estate, Gas Godown Lane, Goddev Fatak Road, Bhayander (E), Dist. Thane - 401105. (India)

Contact Us  
+91-22 48255071,  
48255072

## UNIT 2

Plot No. B-47, Addl. Midc Anandnagar, Ambernath (E), Dist. Thane (India)- 421506

Contact Us  
+91(0251)26205  
42/43/44/45/46

## KRDC

Plot No K2, Industrial Gala F4A, D- Wing, MGN Properties, Opposite Godrej Co., Addl MIDC Anand Nagar, Ambernath (E)- 421506 (India)

Contact Us  
+91-2512620543/44

## UNIT 4 (EUROPE)

Kerone Engineering Solutions LTD. (EMitech) Viale della Palma, 7, 70033 Corato BA, Italy (Europe)

## UNIT 5 (THAILAND)

Thailand Representative:  
163 Rajapark Building,  
18th floor, Sukhumvit 21  
Road (Asoke), Wattana,  
Bangkok - 10110, Thailand

Contact Person  
G.Vivekanand  
+6689 500 9821

## Uzbekistan / Kazakhstan (Office)

TIT Company LLC: 100060,  
2, A. Kahhar, Tashkent,  
Uzbekistan

Contact Person  
Mr. Slava  
+998 903540963

## Israel (Office)

Ornatus Industrial Tech  
Ltd: Dam Hamac bim 36,  
7178602 Modiin, Israel

Contact Person  
Omri Fabian  
+972 584844887

## Australia & New Zealand (Office)

Linetech Pty Ltd:  
Po Box 3046, Browns  
Plains, Qld 4118. Australia

Contact Person  
Eric Quevauvilliers  
+61 (0)418 871 005

## Bangladesh (Office)

House-10, Road-5 Priyanka  
City, Sector-12, Uttara,  
Dhaka-1230, Bangladesh

Contact Person  
Md. Emtiaz Morshed  
+8801747762200



SCAN HERE

## Our Mails

info@kerone.com  
sales@kerone.com  
marketing@kerone.com

## Website

www.kerone.com  
www.kerone.net  
www.keroneindia.com