



# VACUUM

Environment Friendly Engineering Solution Company



In Association with SVCH-Technologii, Moscow (Russia)

[www.kerone.com](http://www.kerone.com)

ISO 9001-2008 | ISO 9001-2015 | EMS 14001 | OHSAS 18001

# About Kerone

KERONE now renowned name in serving specialized need of customers with best quality and economical process Heating /cooling and drying products, manufactured in high quality environment by well trained and qualified workforce(special purpose machineries) .

KERONE is pioneer in application and implementation engineering with its vast experience and team of professionals. KERONE is devoted to serve the industry to optimize their operations both economically and environmentally with its specialized heating and drying solutions.

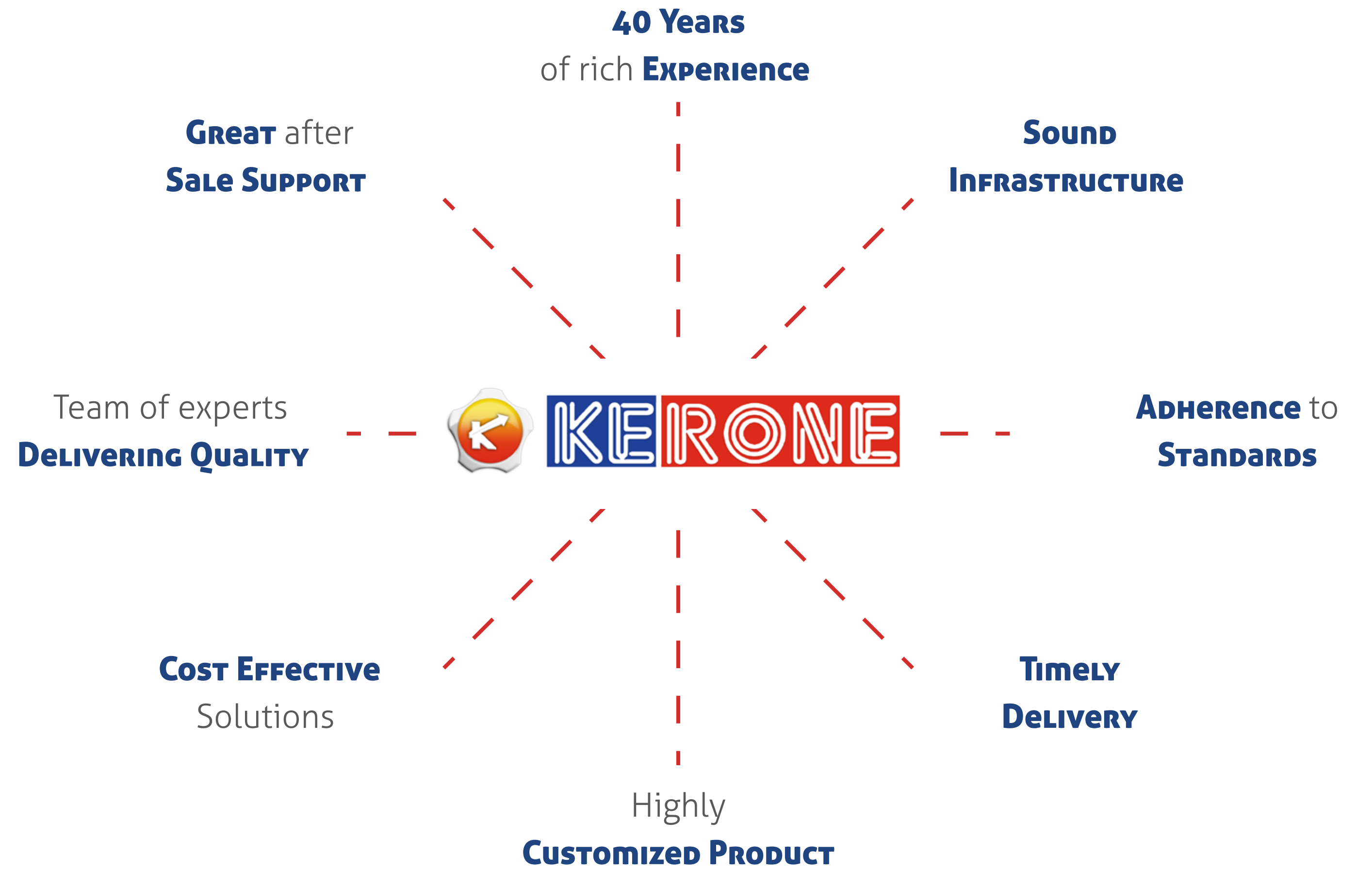
**“Enhance the value of customer operation through our customer need centric engineering solution”**

## *Mission*

- To enhance the value of customer operation through our customer need centric engineering solution.
- We are committed to provide our customers, unique and best in class products in Industrial heating, drying and cooling segment, with strategic tie-up for the technical know-how with renowned leader in the industry specific segment.

## *Vision*

- Turn into world leader in providing specialized, top-notch quality and ecological industrial heating, cooling and drying solution across the globe.
- To attain global recognition as best of quality and environment friendly engineering solution company.



## Introduction to Vacuum

The Vacuum oven manufactured by the KERONE is designed and built strictly as per the need and requirement of the client. The Vacuum Oven/ Vacuum dryers operates under the vacuum i.e. air free condition hence the heat transfers is by the way of conduction or radiation. The Vacuum Oven or Vacuum dryer has been designed for temperature controlled heating and drying applications which involves an un-ventilated environment free from air. It can be used in a range of laboratory experiments due to its capability to hold high level of vacuum. They are most commonly used in annealing and clean evaporation of samples. It has a stainless steel construction having observation window, gasket doors with tough latch. Other Paraphernalia includes easily readable vacuum gauge, adjustable thermostat with digital read out and two valves for bleeding. A low wattage thickness heater is set in the inward chamber with fitting protection for heating reason. The temperature is controlled by indoor regulator or advanced controller. Mercury in glass thermometer can be embedded structure the top with legitimate fixing. Stand and trays are given to keep the samples to heating.



**kerone/vacuum**

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The minimum level of vacuum maintained by the vacuum Infrared Oven is  $3 \times 10^{-6}$  Torr. They operate at  $800^{\circ}\text{C}$  temperatures and use a low atmospheric pressure. The quartz tube elements in the reflector are used to maintain the temperature uniformity in the hot zone and the outer temperature is maintained by the water cooled walls. Vacuum Infrared Ovens operate in cycle mode but also have manual and maintenance mode.

### Construction

Stainless steel chamber having different limits and capacity to withstand supreme vacuum is put in external MS bureau and loaded with glass downy protection. The chamber is fitted with a thick glass entry-way with brilliant perceivability. It has a fixing of silicon or neoprene elastic gasket which is effectively replaceable. The external bureau is powder covered. The vacuum gage and valve is mounted on the top.

## Applications

- Contamination free storage devices
- Heating and drying when oxidation is an issue
- Equipment / tool drying
- Moisture determination
- Dry content analysis
- Out Gassing Solids
- Aging Tests, Plating
- Chemical Resistance Studies
- Drying of Paper
- Rubber and Textiles
- Desiccating
- Dry Sterilization
- Out Gassing Liquids
- Vacuum Storage
- Electronic Process Control

# 3D View

# Trusted Partner



# Our Clients





**KERONE**

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