



# RF BATCH DRYER

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.

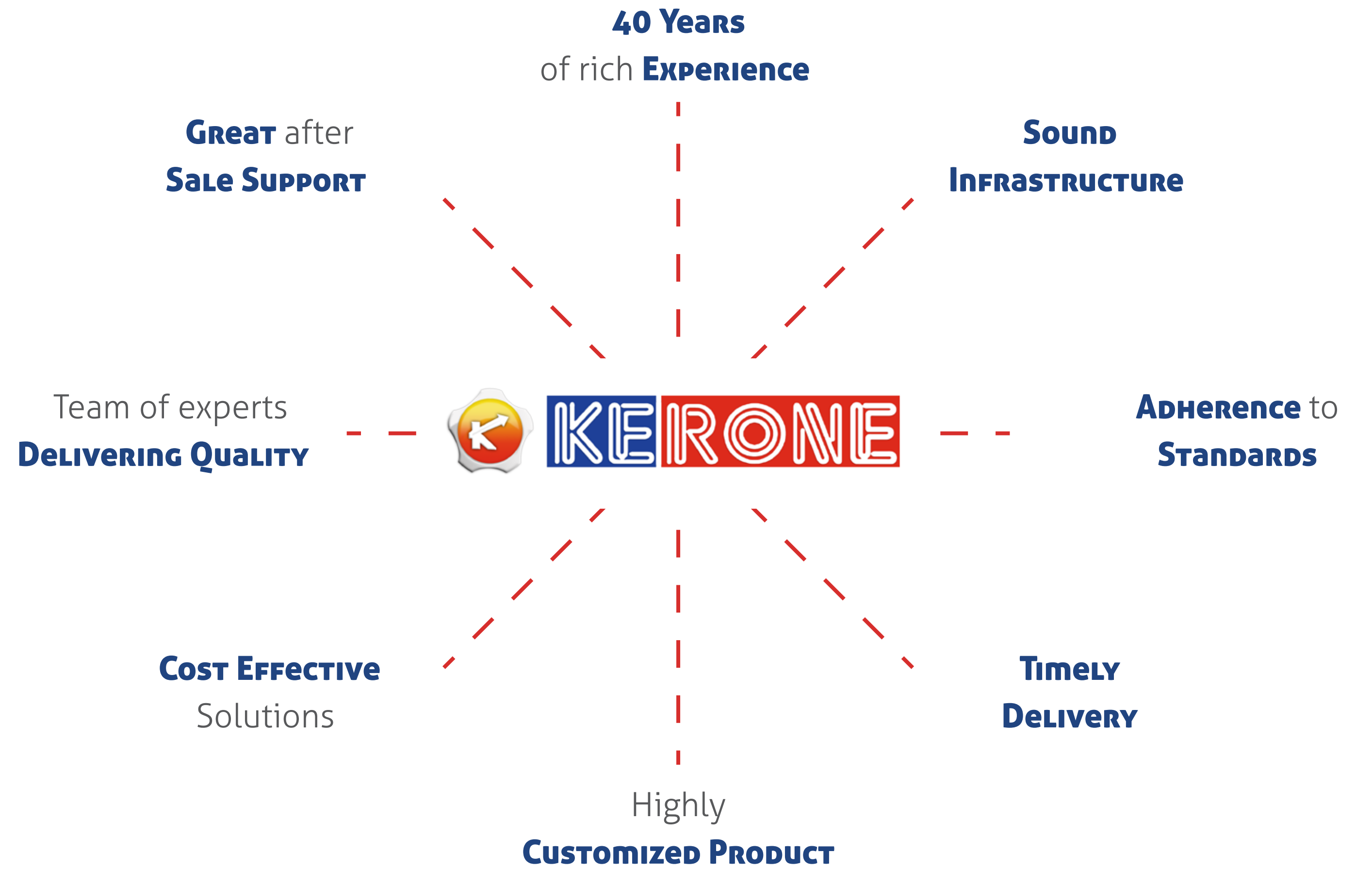
**“Enhance the value of customer operation through our customer need centric engineering solution”**

## *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 RF Batch Dryer

In radio frequency drying, material is exposed to an electronic field that alternates about 40,000,000 times per second. When the field alternates, the water molecules in the material also alternate. The resulting friction causes the water to heat uniformly throughout the product.

Radio frequency drying can save energy because only the product itself is heated. Another benefit is that no equipment warm up or cool down is necessary.

The technology typically replaces process steam heat.

The RF Web Dryer rapidly removes moisture from the web at low temperatures and prevents the migration of coating solids caused by conventional drying which increases web strength and product quality.



[kerone/batch-dryer](http://kerone.com/batch-dryer)

[www.kerone.com/batch-dryer.php](http://www.kerone.com/batch-dryer.php)

# Advantages

- **Preferential Heating:**

Selectively dries products at the wettest sections of the web. The product output will be uniform in moisture content throughout, regardless of the non-uniformity going in.

- **Increases Production Throughput:**

Providing instant ON/OFF control, the RF Web Dryer eliminates the heat-up and cool-down times required by conventional dryers. MINIMIZE DRYING TIMES: Rapid volumetric heating eliminates the long dwell time required by conventional heating minimizing the quantity of product in the drying cycle and reduces changeover time.

- **No Accumulation Rollers:**

This dryer eliminates the need for accumulation rollers required by festooned convection and infrared type dryers and saves floor space by generally requiring one-fifth of the floor space needed for hot-air and IR dryers as well as lowering maintenance costs.

# Features

- Energy applied by radio waves at a frequency of 40.68 MHz.
- Volumetric heating keeps the temperature low and uniform throughout the web to prevent overheating

# Applications

Radio frequency drying is often used to dry crackers, cookies, and other snack foods after they've been baked. It can also be used to dry ceramics, synthetic foam, textiles, water-based inks and adhesives in paper products, and fiberglass yarn. Other applications include sterilizing bagged materials and pre-heating thermoset plastic molding compounds.

# 3D View



# Trusted Partner



# Our Clients





**KERONE**

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