



# SPRAY 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.

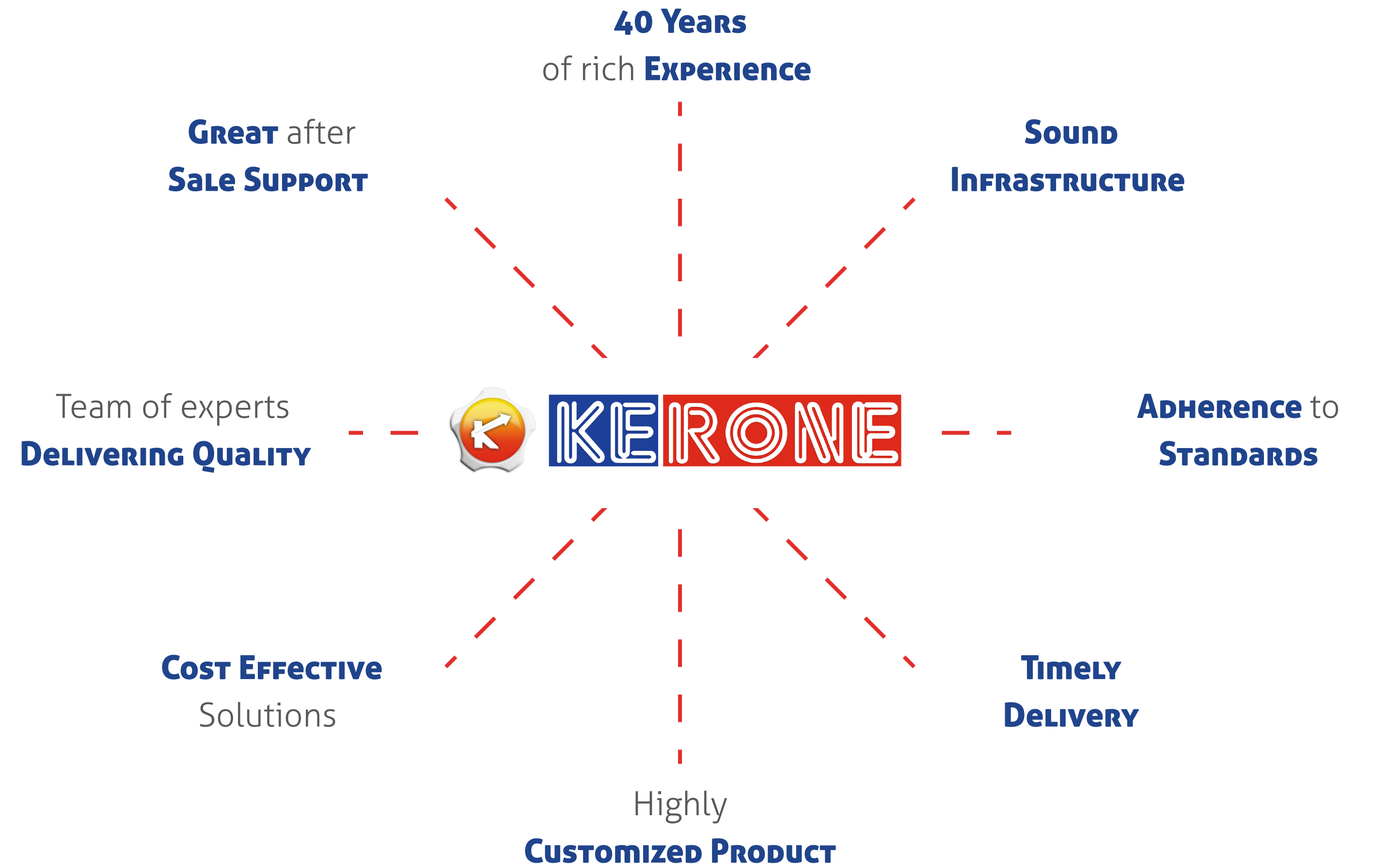
*“Enhance the value of customer operation through our customer need centric engineering solution”*

## ***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 Spray Dryer

Spray drying is method of dehydrating fluids, solutions and thin slurries, it converts the fluids or slurries to powder form. Liquid or slurry material to be dehydrated is sprayed in the form of a fine droplet dispersion into hot airstream.

Both air and material either travel in parallel or counterflow. Drying in spray dryer occurs at very fast rate so that the contact of material to heat is not for longer time hence its does not damage the heat selectivity materials and becomes ideal for drying such materials.

Kerone is having meticulous experience when it comes to design and built spray drying unit that can be utilised for various application in varying industries.

So far we have helped tons of or clients with their drying needs. Our team of engineers and quality manufacturing process helps us to achieve the accuracy and product quality.

**kerone/spray-dryer**

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



# Features

- Spray Dryers are continuous drying techniques, higher production speed can be achieved.
- Spray dryers are rapid dryer, drying rate is high.
- Product quality can be controlled and maintained in drying process
- Highly controllable drying systems flow of hot air, droplet speed and droplet temperature can be effectively controlled.
- Fine droplets shaped offers more surface area for heat and mass transfer.
- Spray dryer can be used to achieve wide range of production rate.
- Minimum human intervention required hence it reduce the operator/ labour cost.
- Dried product, free flowing product of uniform size and dimension can be achieved.
- Microcontroller based interactive and highly precision control mechanism can be achieved.
- Limited moving parts and no moving parts are in through contact with the product, diminishing corrosion complications.
- A variety of spray dryer designs to meet different product specifications

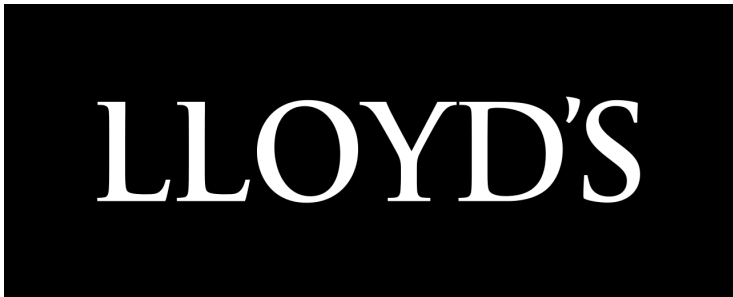
# Application

- In dairy production and processing of milk.
- Production of Powdered milk, skimmed milk and whole milk.
- Processing Egg-based products .
- Production of sweets and ordinary edible acids.
- Processing Coffee/ Tea whiteners.
- Wheat and corn based products in bakery.
- Spray dryers find application in tablet production for drying of liquid to powder.
- Used in production of dye colour, food colours, paint pigments.
- Soap and detergent manufacturing processes utilise the spray dryers.
- Spray dryer find place in fertilizer production like nitrates, ammonium salts, phosphates and others.
- Spray dryers are very useful in drying of citric acid, borax, sodium phosphate, hexamine, gelatine and extracts.

3D View



# Trusted Partner





# Our Clients





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