



FLUIDISED BED DRYERS

Environment Friendly Engineering Solution Company



In Association with SVCH-Technologii, Moscow (Russia)

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.

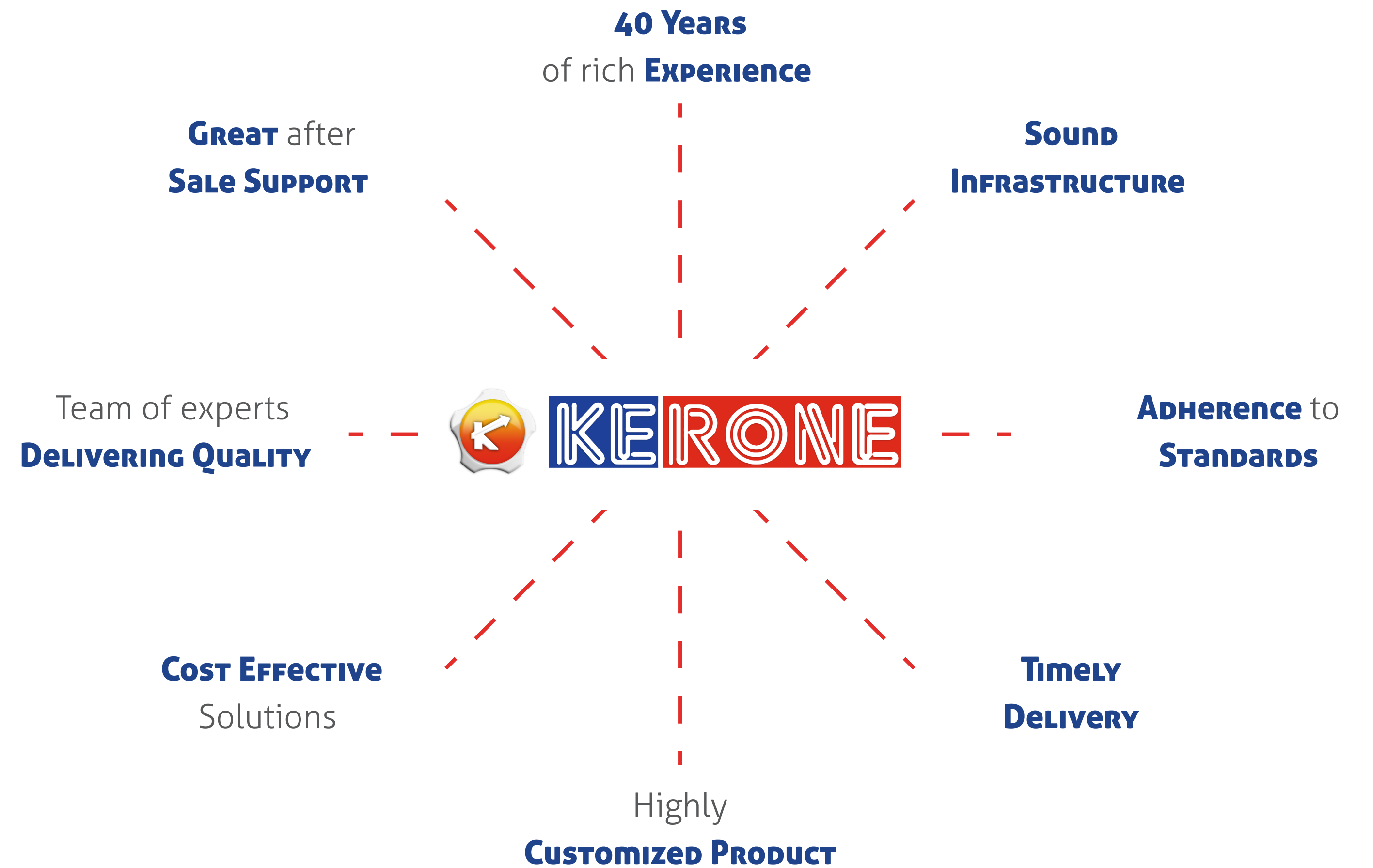
“Enhance the value of customer operation through our customer need centric engineering solution”

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 Fluidised Bed Dryers

Fluidized bed is achieved by passing a gas stream from the bottom of a bed of particulate solids. At low velocity of gas the bed stays in static condition, and the particles lay on a gas distributor plate. The fluidizing gas passes through the distributor and it is uniformly distributed across the bed.

The gas velocity is increased such that to achieve the fluidization of bed, gas velocity at which the bed achieves the fluidization is known as minimum fluidization velocity.

A Fluidised bed dryer operates at gas velocity higher than the minimum fluidization velocity of material under processing. This increase in the gas velocity result in suspension of particles under processing in air, this appears as the boiling of solid particles of material under processing.

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Features

- Materials dried in a constant-rate drying
- Drying of material with low moisture content, under a relatively low temperature.
- Suitable for granules or crystallized materials as there is no damage to particles.
- High drying efficiency
- Modular Design
- Uniform Drying with reducing Drying time
- Provides extended residence times
- Fireproof Construction
- Easy to remove/change heat exchanger
- Flexibility of residence time and temperatures

Application

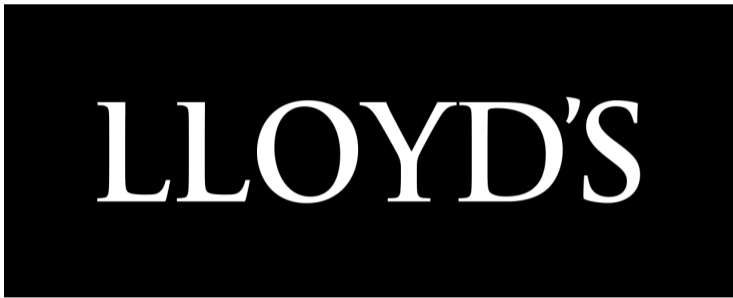
Kerones' fluidized bed dryers are commonly used in processing of:

- | | |
|--|--|
| • Chemicals | • Detergents and Surface-Active Agents |
| • Carbohydrates | • Fertilizers |
| • Foodstuff | • Polymer and Resins |
| • Biomaterials | • Tannins |
| • Beverage Products | • Products for Calcination |
| • Ceramics | • Combustion |
| • Pharmaceuticals in Powder or Agglomerated Form | • Incineration |
| • Health- Care Products | • Waste Management Processes |
| • Pesticides and Agrochemicals | • Environmental Protection Processes |
| | • Dyestuffs and Pigments |

3D View



Trusted Partner



Our Clients



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